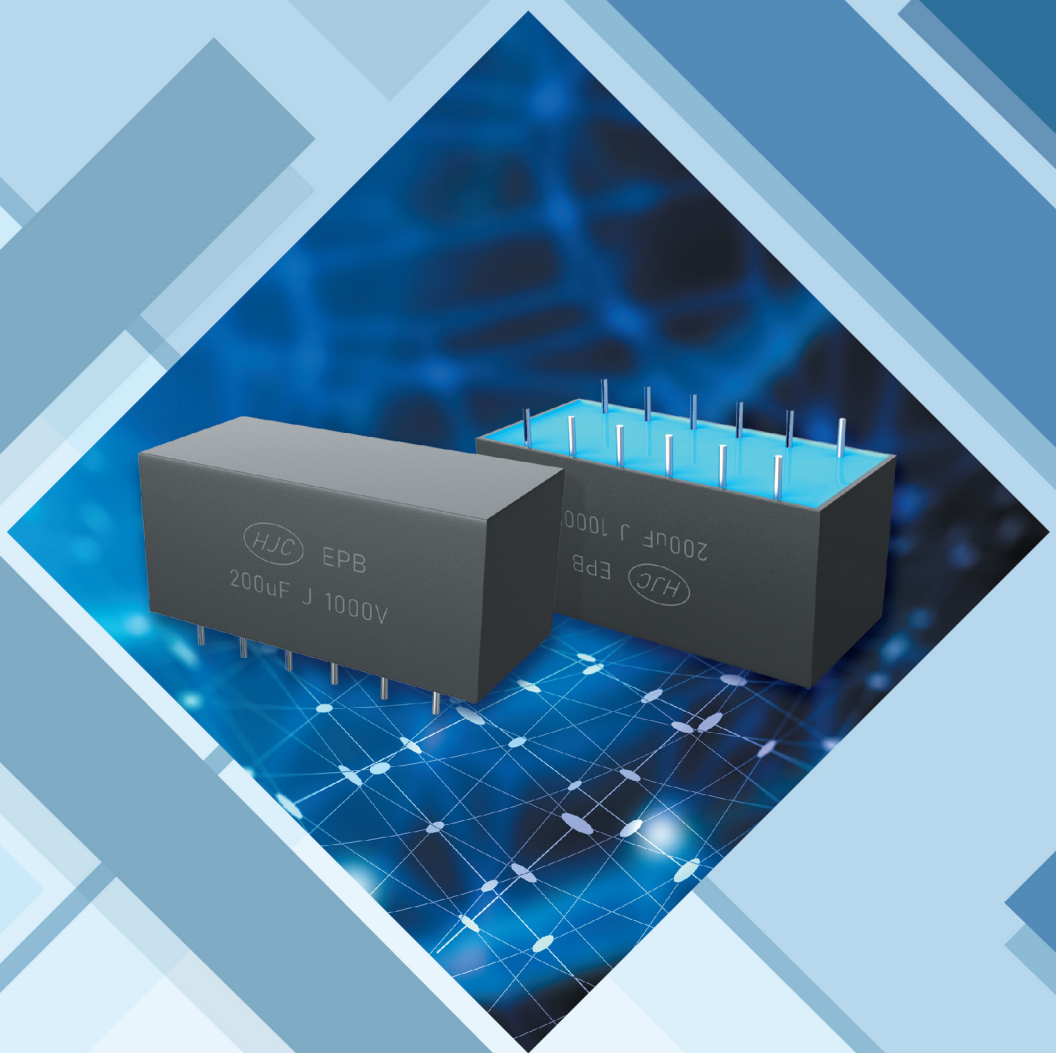
HUA JUNG CO.,LTD



FILM CAPACITORS CATALOG

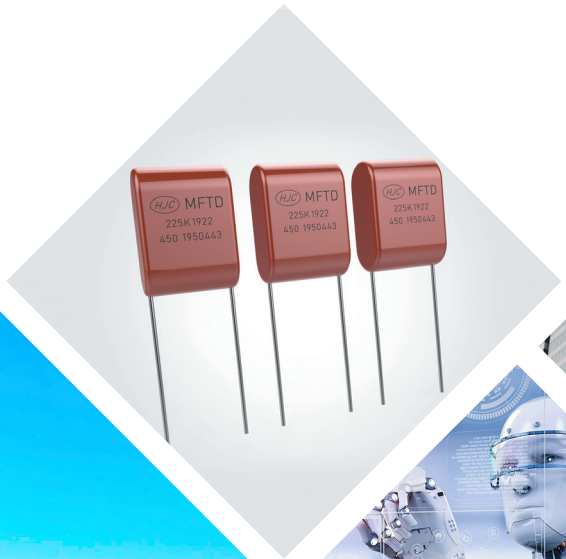
薄膜电容器产品目录

www.hjc.com.tw

FILM CAPACITORS CATALOG

薄膜电容器产品目录




MFTD
225K1922
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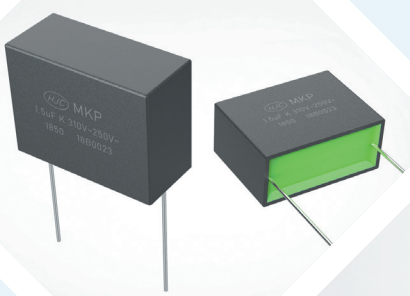


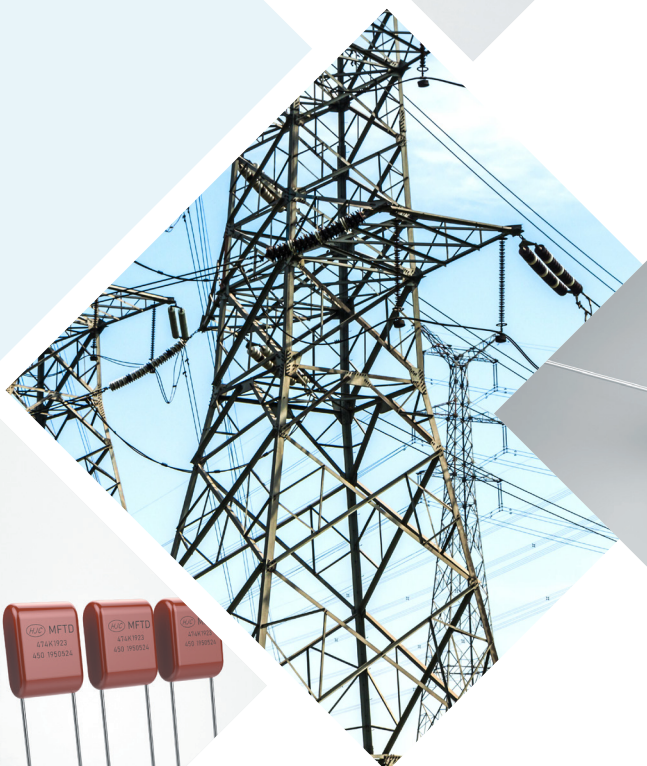


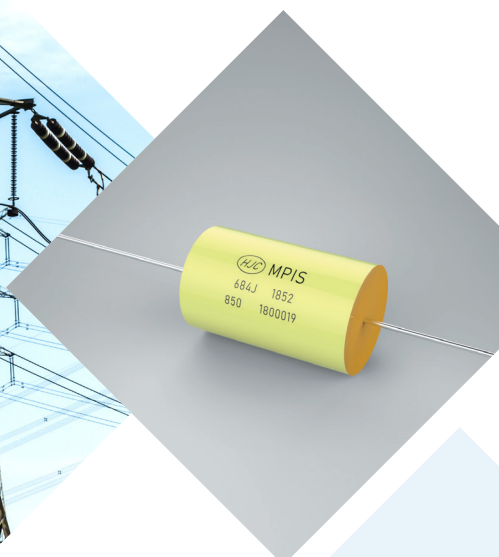

MPIS
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1506 1510001

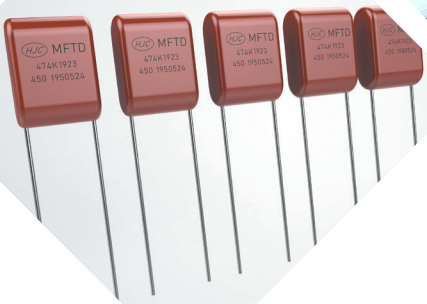



EPB
50uF J 800V
1912 1930171


MKP




MPIS
684J 1852
850 1800019


MFTD
474K1923
450 1950524



薄膜电容器简介
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常规应用
GENERAL APPLICATION

常用技术术语说明
TECHNICAL TERMS

1. 额定容量 Rated capacitance:

电容器容量的设计值，通常在电容器上显示。

The capacitance value for which the capacitor has been designed and which is usually indicated upon it.

2. 类别温度范围 Category temperature range:

电容器设计连续工作温度的范围，是由类别温度所定义的。

The range of ambient temperatures for which the capacitor has been designed to operate continuously; This is defined by the temperature limits of the appropriate category.

3. 上限类别温度 Upper category temperature:

电容器连续工作下最高的环境温度。

The maximum ambient temperature for which a capacitor has been designed to operate continuously.

4. 下限类别温度 Lower category temperature:

电容器连续工作下最低的环境温度。

The minimum ambient temperature for which a capacitor has been designed to operate continuously.

5. 额定温度 Rated temperature:

可连续施加额定电压的最大环境温度。

The maximum ambient temperature at which rated voltage may be continuously applied.

6. 额定电压 Rated voltage:

最大的直流电压或最大有效值交流电压或脉冲电压的峰值，可在下限类别温度与额定温度之间任一温度下连续载入于电容器的电压。

The maximum direct voltage or the maximum RMS alternating voltage or peak value of pulse voltage which may be applied continuously to a capacitor at any temperature between the lower category temperature and the rated temperature.

7. 类别电压 Category voltage:

電容器在其上限溫度下可連續施加在電容器上的最大電壓。

The maximum voltage which may be applied continuously to a capacitor at its upper category temperature.

8. 温度降额电压 Temperature derating voltage:

对于额定温度和上限类别温度之间的任一温度，降温电压是可以连续施加到电容器上的最大电压。

For any temperature between the rated temperature and the upper category temperature, the temperature derating voltage is the maximum voltage that may be applied continuously to a capacitor.

9. 绝缘电阻(IR)/时间常数(t)

Insulation resistance (IR)/time constant:

绝缘电阻是电容器充电一分钟后所加的直流电压和流经电容器的漏电流值的比值。单位“MΩ”。时间常数为绝缘电阻和电容量的乘积，通常以秒表示，公式如下：

$t(s) = IR(M\Omega) \times CR(\mu F)$.

The insulation resistance is the ratio between an applied DC voltage and the resulting leakage current after a minute of charge. It is expressed in MΩ. The time constant is expressed in seconds with the following formula:

$t(s) = IR(M\Omega) \times CR(\mu F)$.

10. 脉冲上升时间 Pulse rise time (dv/dt):

脉冲上升时间决定了电容器承受快速电压变化引起的大电流峰值的能力。峰值电流定义公式如下：

$Ip(A) = C(uF) \times dv/dt\ (V/\mu s)$

The pulse rise time defines the capability of a capacitor to withstand high current peaks due to fast voltage changes. The peak current is defined by the following formula:

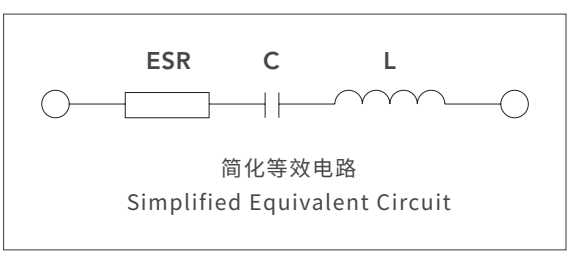
$Ip(A) = C(uF) \times dv/dt\ (V/\mu s)$

11. 损耗角正切及等效串联电阻

Dissipation factor and equivalent series resistance:

耗散因数或损耗角正切(tanδ)是指电容器在规定频率的正弦电压作用下，电容器损耗的功率除以电容器的无功功率。等效串联电阻(ESR)是由电容串联电阻和电感组成的等效电路。

The dissipation factor or tangent of loss angle (tan) is the power loss of the capacitor divided by the reactive power of the capacitor at a sinusoidal voltage of specified frequency. The equivalent series resistance(ESR) is the resistive part of the equivalent circuit composed of capacitance, series resistance and inductance.



简化等效电路

Simplified Equivalent Circuit

产品规格汇总
SUMMARY OF PRODUCTS SPECIFICATION

型别 Series	结构 Structure	介质 Dielectric	外观 Appearance	额定电压 Rated Voltage	容量范围 Capacitance Range (μF)	推荐应用 Recommended Application	页码 Page
MEF	金属化聚酯薄膜电容 (消费类常规用途) Metallized Polyester Film Capacitor (General Purpose)	金属化聚酯薄膜 Metallized Polyester Film	浸渍式 Dipped	100VDC 250VDC 400VDC 630VDC	0.01 ~ 10.0	TV, CRT 显示器, 磁带答录机, 通用消费性电子产品 TV, CRT monitor, Tape–recorder, Consumer electronic, General purpose	34
MFF			浸渍式 Dipped	100VDC 250VDC 400VDC 630VDC	0.01 ~ 10.0	TV, CRT 显示器, 磁带答錄機, 消费性电子产品, 电通信, 自动化控制, 一般用途 TV, CRT monitor, Tape–recorder, Consumer electronic, Telecommunication, Auto–control, General purpose.	37
MEB			盒式 Box	100VDC 250VDC 400VDC 630VDC	0.01 ~ 10.0		41
MET			轴向 Axial	100VDC 250VDC 400VDC 630VDC	0.15 ~ 10.0	消费性电子产品, 自动化控制, 电通信, 一般用途 Consumer electronic, Auto–control, Telecommunication, General purpose.	45
MEA			轴向 Axial	100VDC 250VDC 400VDC 630VDC	0.01 ~ 10.0		47
MFTD	保险丝类型 金属化聚酯 薄膜电容 (PFC用途) Fuse–Type Metallized Polyester Film Capacitor (PFC Purpose)	金属化聚酯薄膜 Metallized Polyester Film	浸渍式 Dipped	450VDC 630VDC	0.033 ~ 3.3	功率因素校正 (PFC) 使用 Power factor correction usage (PFC)	49
MFTB			盒式 Box	450VDC 630VDC	0.022 ~ 2.2		51
PPSH	铝箔&聚丙烯 薄膜电容 (脉冲电容器) Aluminum Foil & Polypropylene Film Capacitor (Pulse Capacitor)	金属化聚丙烯薄膜 Metallized Polypropylene Film	浸渍式 Dipped	800VH 1000VH 1200VH	0.001 ~ 0.1	主要用于电视机&显示器反激式调谐, 电子镇流器电路, 开关电源电路 Typical for Fly–back tuning in TV–set & Monitor. Electronic ballast circuits. Switching power supply circuits.	53
MPP	金属化聚丙烯 薄膜电容 (常规用途) Metallized Polypropylene Film Capacitor (General Purpose)	金属化聚丙烯薄膜 Metallized Polypropylene Film	浸渍式 Dipped	100VDC 250VDC 400VDC 630VDC	0.01 ~ 3.3	自动化控制, 电通信, 计时器, SMPS Auto-control, Telecommunication, Timing, SMPS	57
MPB			盒式 Box	100VDC 250VDC 400VDC 630VDC 1000VDC*	0.01 ~ 3.3		61
MPS			浸渍式 Dipped	250VDC 400VDC 630VDC	0.022 ~ 3.3	TV, CRT 显示器, 电源供应器, 电子镇流器 TV, CRT monitor, Power Supply, Electronic Ballasts	65
MPT			轴向 Axial	250VDC 400VDC 630VDC	0.1 ~ 10.0	自动化控制, 电通信, 计时器, SMPS Auto–control, Telecommunication, Timing, SMPS	68
MPA			轴向 Axial	250VDC 400VDC 630VDC	0.047 ~ 10.0		70

产品规格汇总
SUMMARY OF PRODUCTS SPECIFICATION

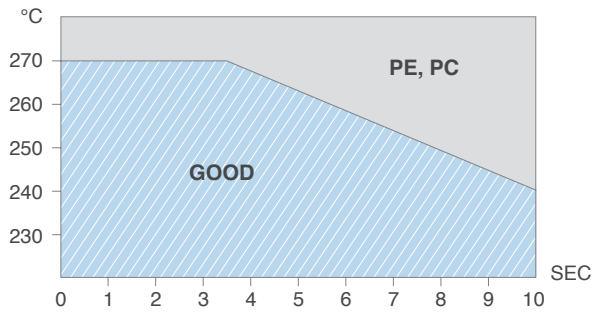
型别 Series	结构 Structure	介质 Dielectric	外观 Appearance	额定电压 Rated Voltage	容量范围 Capacitance Range (μF)	推荐应用 Recommended Application	页码 Page
MPPN	金属化聚丙烯薄膜电容(PFC用途) Metallized Polypropylene Film Capacitor (PFC Purpose)	金属化聚丙烯薄膜 Metallized Polypropylene Film	浸渍式 Dipped	450VDC 630VDC	0.022 ~ 2.2	功率因素校正(PFC)使用 Power factor correction usage (PFC)	72
MPBN			盒式 Box	450VDC 630VDC	0.01 ~ 2.2		74
MPN2			浸渍式 Dipped	450VDC 520VDC 630VDC	0.068 ~ 2.2		76
MPN3			盒式 Box	450VDC 520VDC 630VDC	0.068 ~ 2.2		79
HPN3			盒式 Box	450VDC 520VDC 630VDC	0.22 ~ 2.2		82
MP2	金属化聚丙烯薄膜电容 Metallized Polypropylene Film Capacitor	金属化聚丙烯薄膜 Metallized Polypropylene Film	浸渍式 Dipped	300VAC 400VAC 500VAC 700VAC 900VAC	0.001 ~ 0.1	电子照明(镇流器和汽车前照灯)开关电源 Electronic lighting (Ballast car headlamp) Switching power supply	84
MP3			盒式 Box	300VAC 400VAC 500VAC 700VAC 900VAC	0.001 ~ 0.1		87
MP3S			盒式 Box	400VDC 630VDC 1000VDC 1600VDC 2000VDC	0.001 ~ 1.5		90
HP3S			盒式 Box	400VDC 630VDC 1000VDC 1600VDC 2000VDC	0.001 ~ 1.5	开关电源 Switching power supply	96
MP4			浸渍式 Dipped	300VAC 400VAC 500VAC 700VAC 900VAC	0.001 ~ 0.15	电子照明(镇流器和汽车前照灯)开关电源 Electronic lighting (Ballast car headlamp) Switching power supply	102
MP5			盒式 Box	300VAC 400VAC 500VAC 700VAC 900VAC	0.001 ~ 0.15		106
MKP (Standard Size)	抗干扰电容(X2类) Interference Suppression Capacitor (X2 Class)	金属化聚丙烯薄膜 Metallized Polypropylene Film	盒式 Box	250VAC~ 310VAC	0.0047 ~ 2.2	抗干扰器EMI滤波器, 小功率适配器, 室内环境使用 不用于与主电源和工业电源串联使用 Interference suppressors EMI filter, Small power adaptor, Indoor environmental use, Not for use in series with the mains and industrial power supply	110
MKP (Small Size)			盒式 Box	250VAC~ 310VAC	0.0047 ~ 2.2		113

产品规格汇总
SUMMARY OF PRODUCTS SPECIFICATION

型别 Series	结构 Structure	介质 Dielectric	外观 Appearance	额定电压 Rated Voltage	容量范围 Capacitance Range (μF)	推荐应用 Recommended Application	页码 Page
MKP–THB 1000H	抗干扰电容 (X2类) Interference Suppression Capacitor (X2 Class)	金属化聚丙烯薄膜 Metallized Polypropylene Film	盒式 Box	250VAC~310VAC	0.047 ~ 10.0	所有应用对产品长期稳定性要求很高例如:电表, 电容式电源应用, 室外应用用于严苛的气候条件, 主电源串联, 跨线, EMI滤波器 All applications with high demand on excellent long term–stability, such as: Power Meters, Capacitive Power Supply applications, Outdoor applications, For severe ambient conditions, For connection in series with the mains, Across the line, EMI filter	116
MKP–THB 500H			盒式 Box	250VAC~310VAC	0.047 ~ 10.0		119
MKP–THB 1000H (小尺寸)			盒式 Box	250VAC~310VAC	0.027 ~ 10.0		122
MKP AEC–Q200			盒式 Box	250VAC~310VAC	0.1 ~ 2.2	汽车使用, 抗干扰, 跨线, 旁路, EMI滤波器 For automotive , Interference suppressors, Across the line, Line–by–pass, EMI filter	125
MKP 阻容降压 Divider			盒式 Box	250VAC~310VAC	0.01 ~ 10.0	与100Vac~240Vac主电源串联(电源), 抗干扰器, 跨线, EMI滤波器 (工业电源) Serial with the 100Vac~240Vac main (Power supply), Interference suppressors, Across the line, EMI filter (industrial power supply)	127
MKX1	抗干扰电容 (X1类) Interference Suppression Capacitor (X1Class)	金属化聚丙烯薄膜 Metallized Polypropylene Film	盒式 Box	480VAC	0.001 ~ 10	抗干扰器, 跨线, EMI 滤波器 (工业电源) Interference suppressors, Across the line, EMI filter (industrial power supply)	129
Y2X1	抗干扰电容 (Y2类) Interference Suppression Capacitor (Y2 Class)	金属化聚丙烯薄膜 Metallized Polypropylene Film	盒式 Box	310VAC 300VAC	0.001 ~ 0.22	抗干扰器, 天线耦合, 跨线, 电线入地(接地) Interference suppressors, Antenna coupling, Across the line, Line to ground	132
Y2X1–THB			盒式 Box	310VAC 300VAC	0.001 ~ 0.22	所有应用对产品的长期稳定性有很高要求, 例如:室外应用, 工业电源 All applications with high demand on excellent long term–stability, such as: Outdoor applications, Industrial power supply	134
EPB	金属化聚丙烯薄膜电容 (直流支撑) Metallized Polypropylene Film Capacitor (DC–Link)	金属化聚丙烯薄膜 Metallized Polypropylene Film	盒式 Box	700VDC 800VDC 900VDC 1100VDC	1.0 ~ 60.0	高性能DC滤波应用, 变频器太阳能逆变器 High performance DC filtering applications, Frequency converters Solar inverters	137
EPB–THB 1000H			盒式 Box	700VDC 800VDC 900VDC 1100VDC	1.0 ~ 60.0	所有应用对产品的长期稳定性有很高要求, 例如:室外应用, 用于严苛气候条件, 太阳能逆变器, UPS, 变频器 All applications with high demand on excellent longterm–stability, such as: Outdoor applications, For severe ambient conditions, Solar inverters, UPS, Frequency converters	142
MPBF	金属化聚丙烯薄膜电容 (交流滤波) Metallized Polypropylene Film Capacitor (AC–Filter)	金属化聚丙烯薄膜 Metallized Polypropylene Film	盒式 Box	250VAC 300VAC 350VAC	1.0 ~ 60.0	用于功率变换器的AC输出滤波器, 太阳能逆变器 AC output filter for power converters, Solar inverters	148
MPIS	金属化聚丙烯薄膜电容 (吸收电容) Metallized Polypropylene Film Capacitor (Snubber)	金属化聚丙烯薄膜 Metallized Polypropylene Film	盒式 Box	850VDC 1000VDC 1200VDC 1600VDC 2000VDC	0.1 ~ 2.5	直接安装于IGBT模组, 变频器, 电极驱动, 光伏与风能逆变 Direct mount on IGBT modules, Frequency converters, Motor drives, Photovoltaic and wind inverters	153

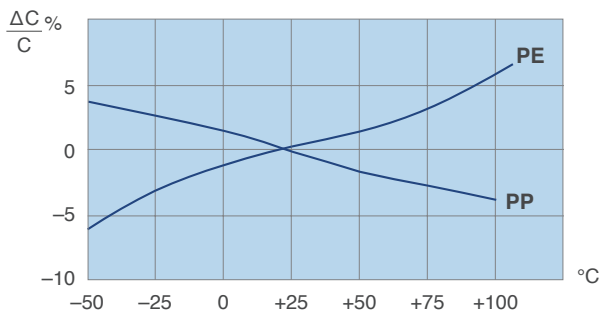
塑胶薄膜特性
PLASTIC FILM CHARACTERISTICS

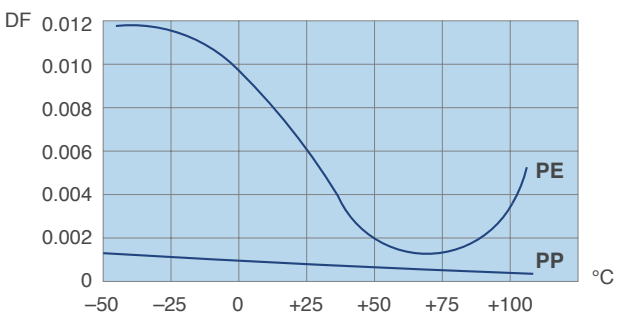
焊接温度 VS 时间 Soldering Temperature VS Time

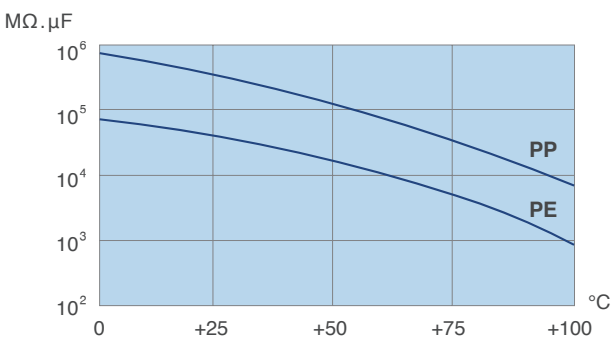




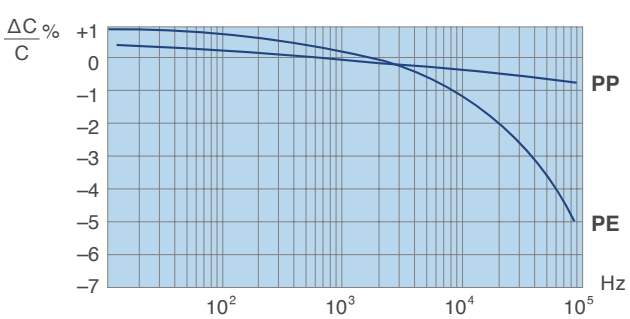
温度特性 Temperature Characteristics

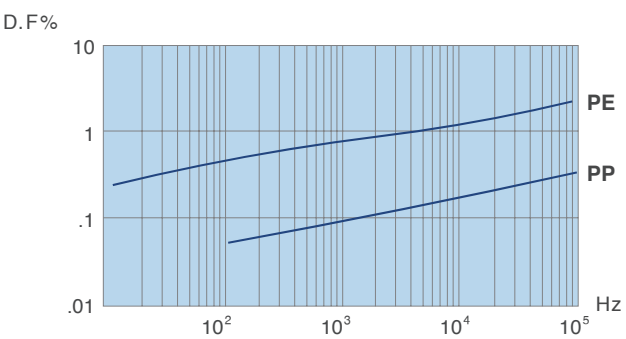






频率特性 Freqency Characteristics

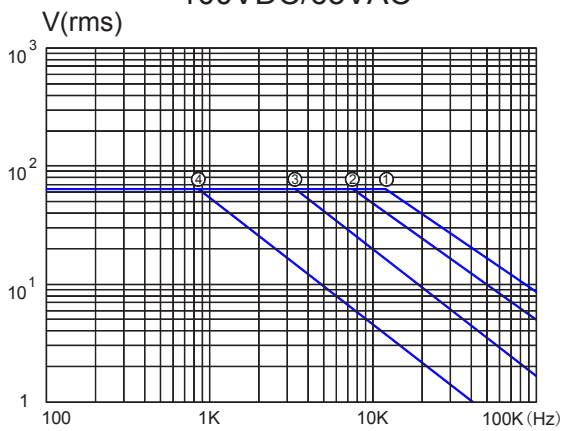




允许交流电压 VS 频率
PERMISSIBLE AC VOLTAGE VS FREQUENCY

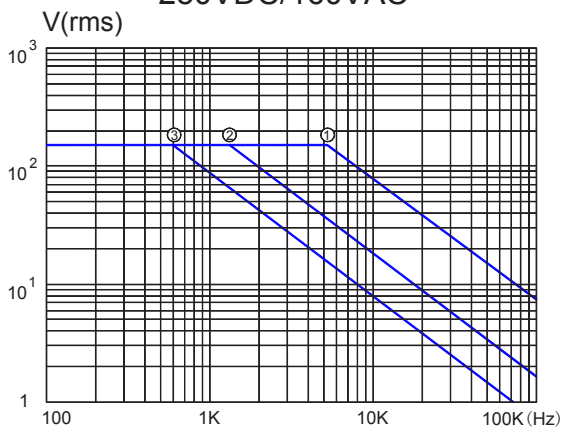
金属化聚酯薄膜电容器 Metallized Polyester Film Capacitor
(MEF, MFF, MEB, MET, MEA)

100VDC/63VAC



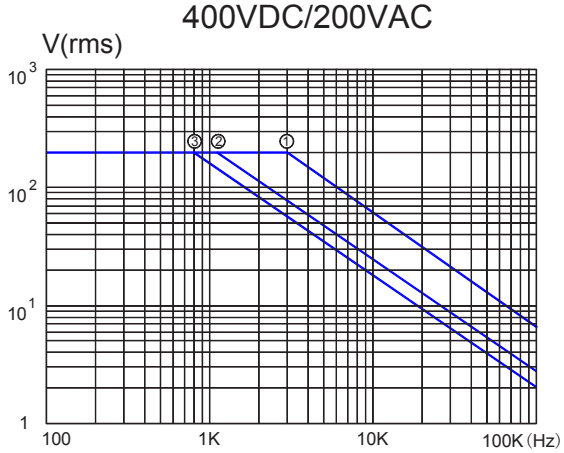
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250VDC/160VAC



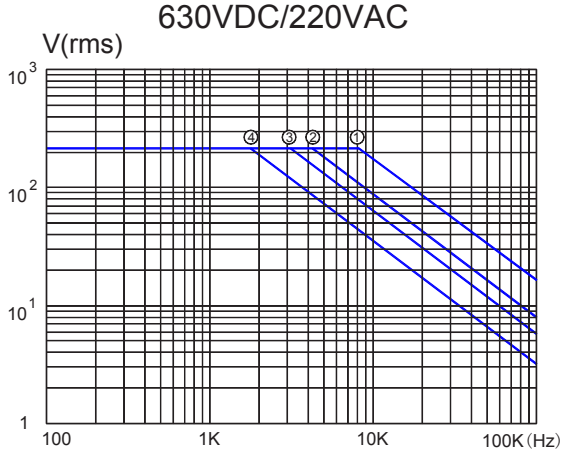
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400VDC/200VAC



Curve:①0.047uF ②0.47uF ③1.0uF

630VDC/220VAC

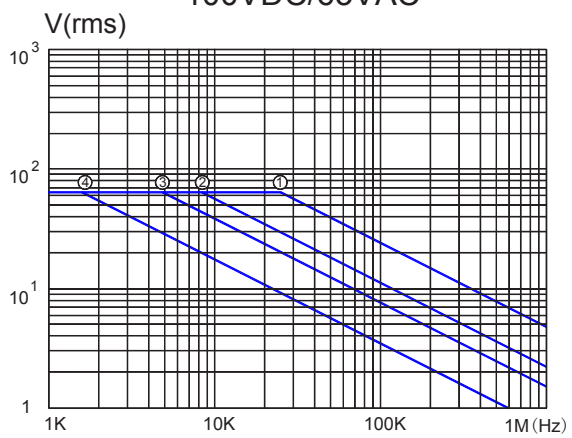


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允许交流电压 VS 频率
PERMISSIBLE AC VOLTAGE VS FREQUENCY

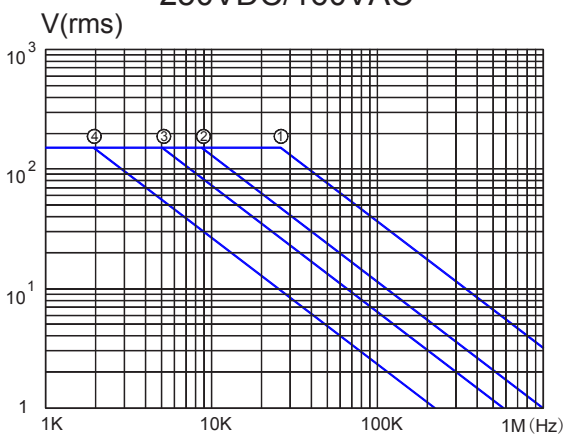
金属化聚丙烯薄膜电容器 Metallized Polypropylene Film Capacitor
(MPP, MPB, MPT, MPA)

100VDC/63VAC



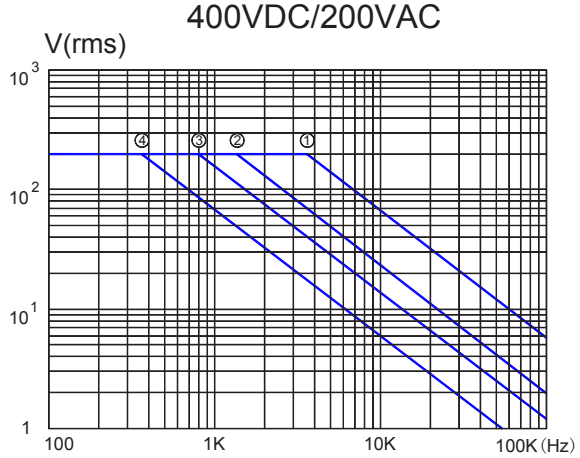
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250VDC/160VAC



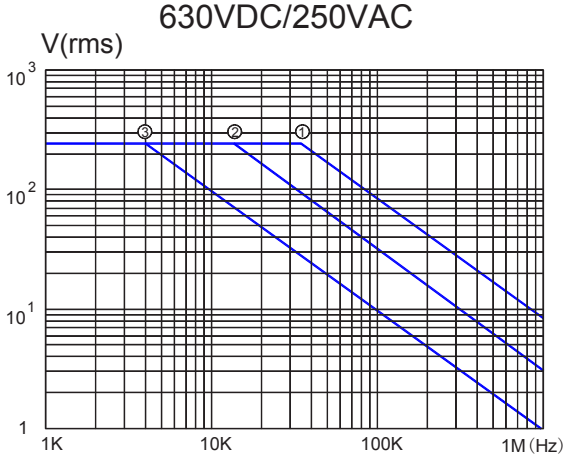
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400VDC/200VAC



Curve:①0.047uF ②0.47uF ③1.0uF ④3.3uF

630VDC/250VAC

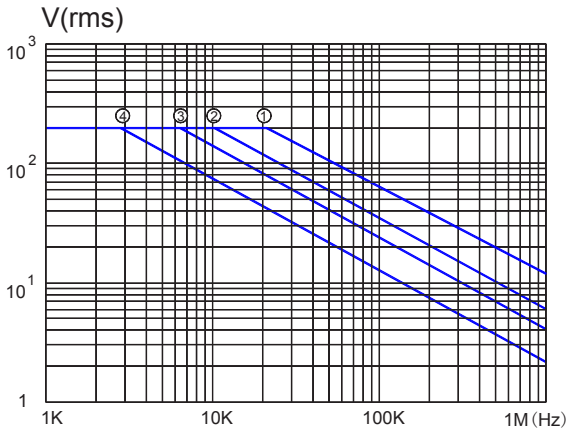


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允许交流电压 VS 频率
PERMISSIBLE AC VOLTAGE VS FREQUENCY

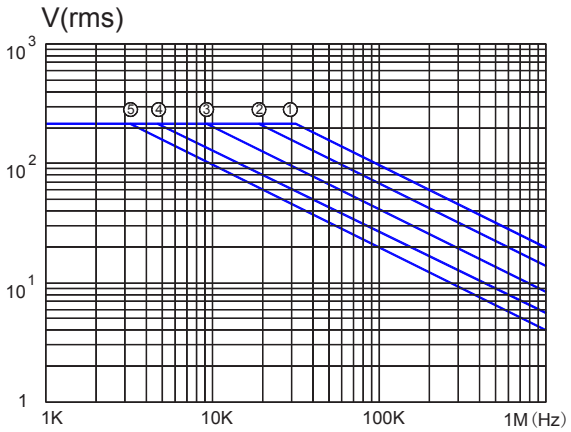
金属化聚丙烯薄膜电容器 Metallized Polypropylene Film Capacitor (MPS)

250VDC/200VAC



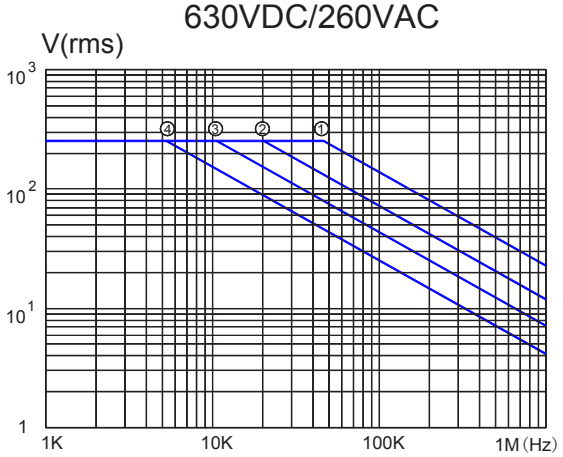
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400VDC/220VAC



Curve:①0.033uF ②0.1uF ③0.22uF ④0.47uF ⑤1.0uF

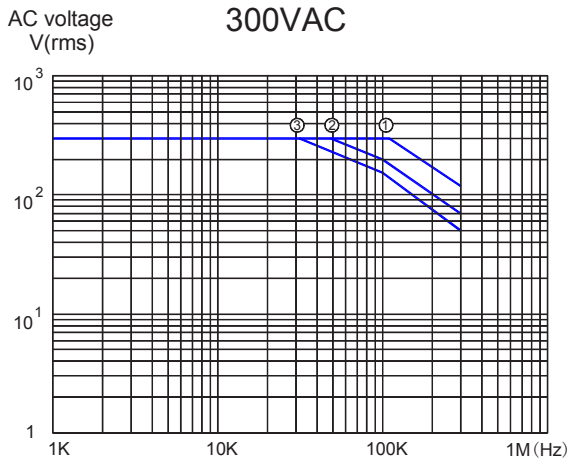
630VDC/260VAC



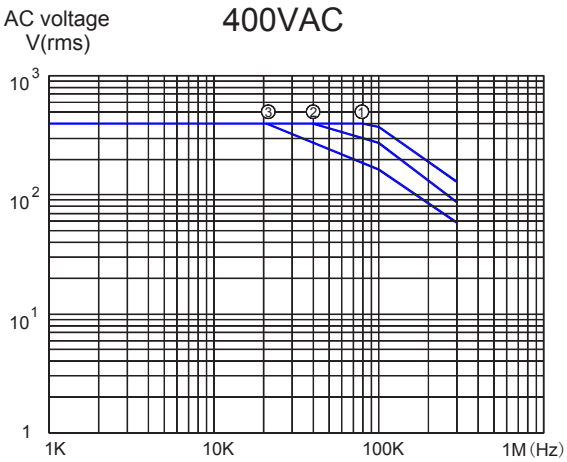
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允许交流电压 VS 频率
PERMISSIBLE AC VOLTAGE VS FREQUENCY

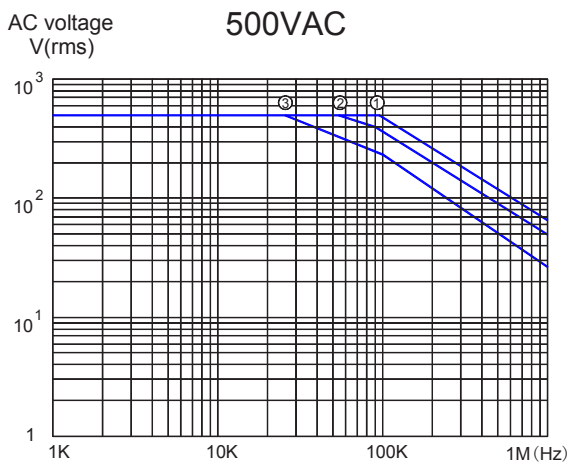
金属化聚丙烯薄膜电容器 Metallized Polypropylene Film Capacitor (MP2, MP3)



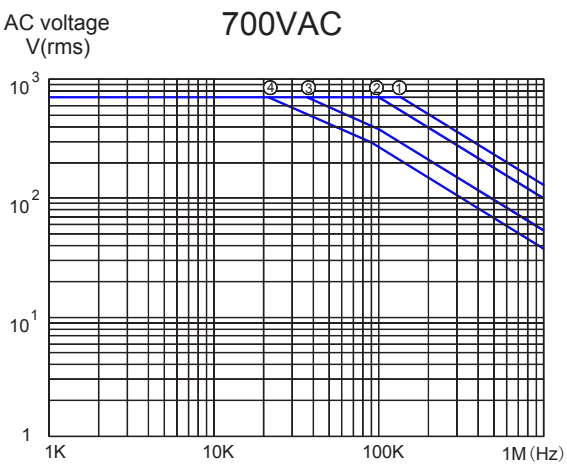
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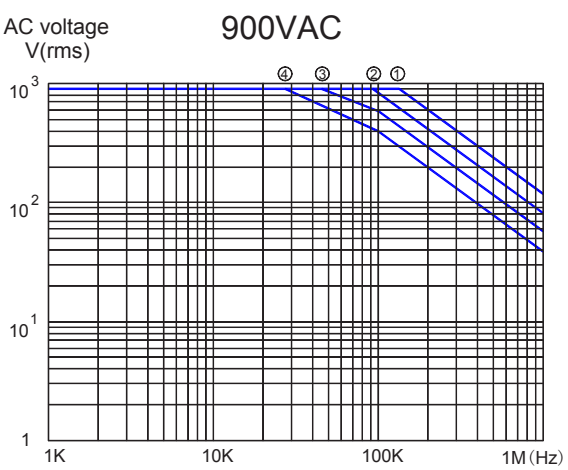
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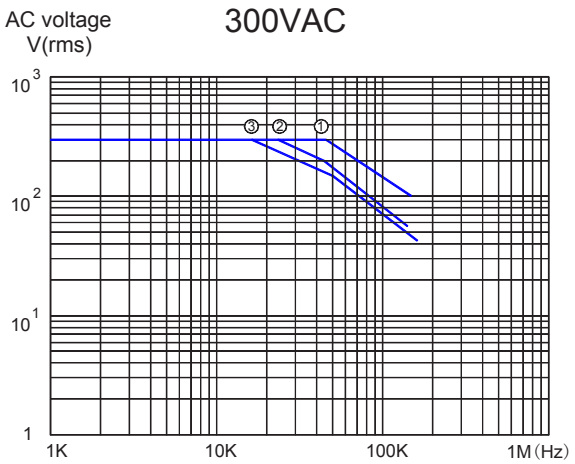
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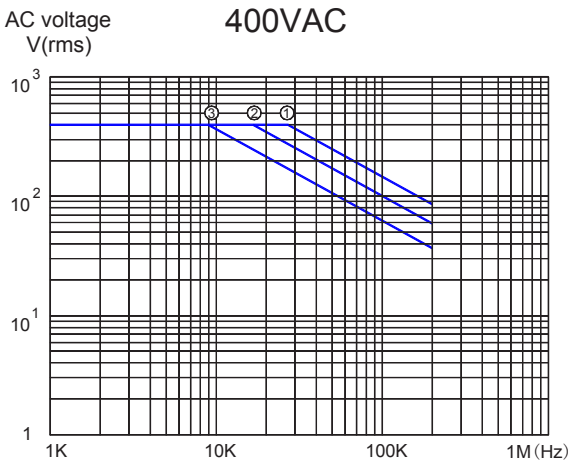
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允许交流电压 VS 频率
PERMISSIBLE AC VOLTAGE VS FREQUENCY

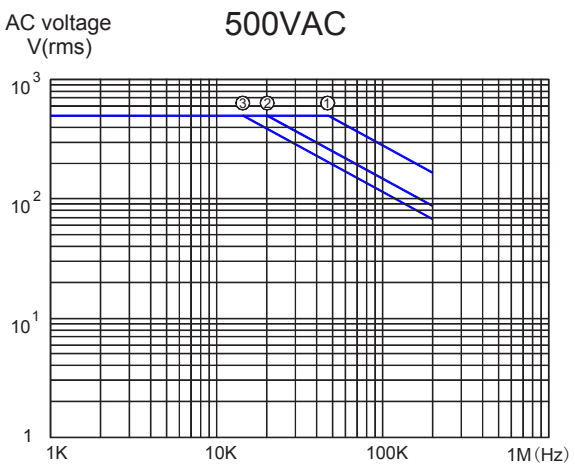
金属化聚丙烯薄膜电容器 Metallized Polypropylene Film Capacitor (MP4, MP5)



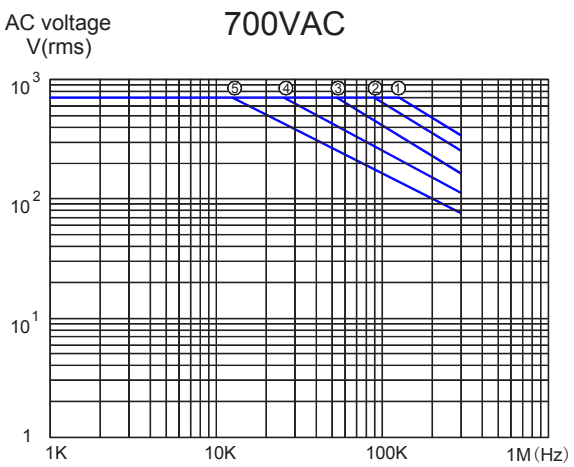
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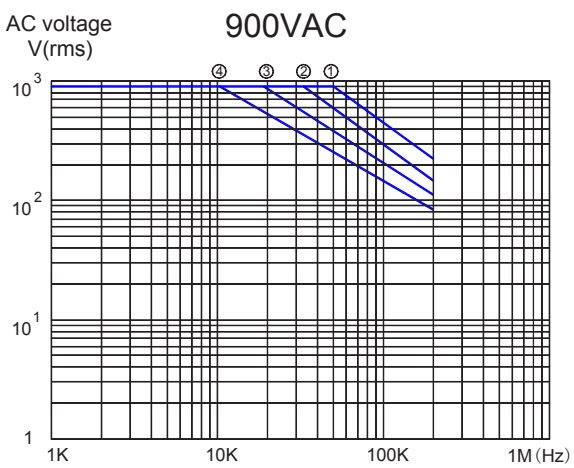
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Curve：①0.001uF ②0.01uF ③0.027uF



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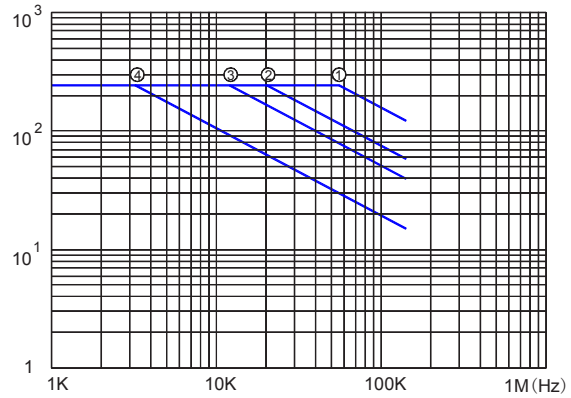


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允许交流电压 VS 频率
PERMISSIBLE AC VOLTAGE VS FREQUENCY

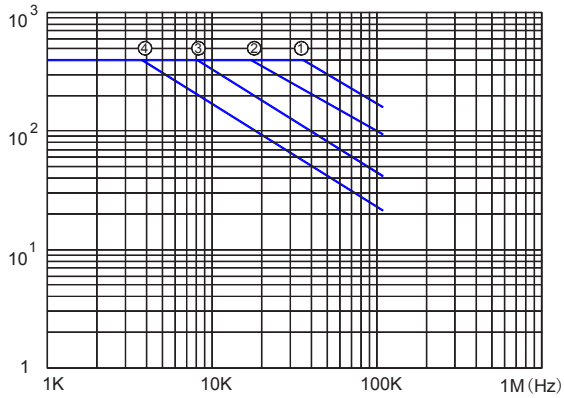
金属化聚丙烯薄膜电容器 Metallized Polypropylene Film Capacitor (MP3S)

AC voltage V(rms) 400VDC/250VAC



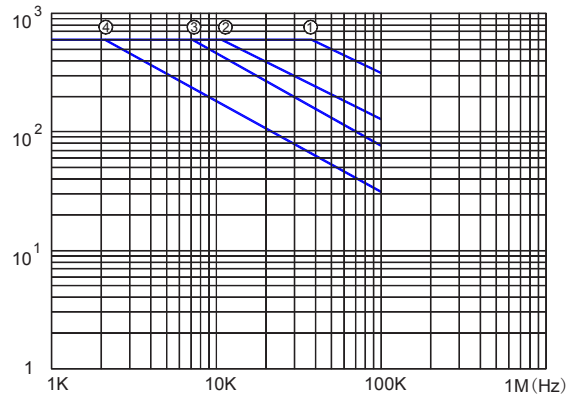
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AC voltage V(rms) 630VDC/400VAC



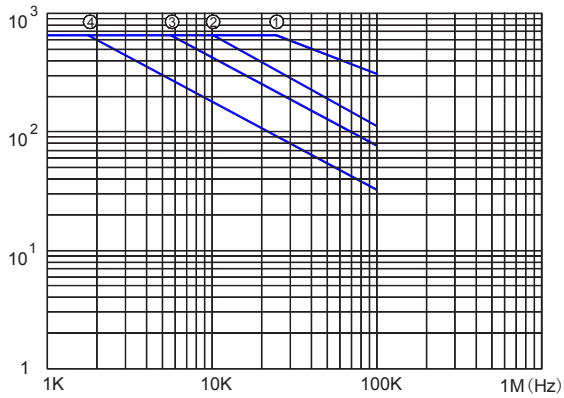
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AC voltage V(rms) 1000VDC/600VAC



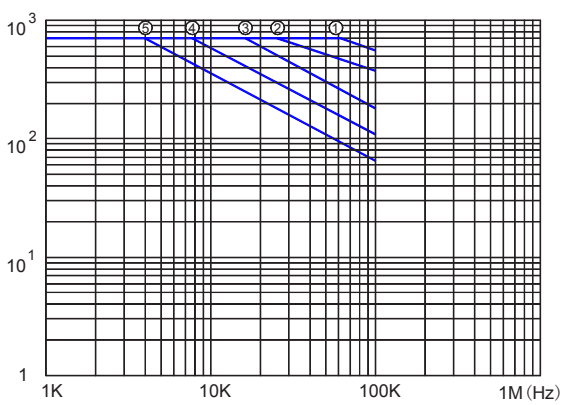
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AC voltage V(rms) 1600VDC/650VAC



Curve:①0.0068uF ②0.033uF ③0.1uF ④0.47uF

AC voltage V(rms) 2000VDC/700VAC



Curve:①0.001uF ②0.0022uF ③0.022uF ④0.068uF ⑤0.15uF

定期进行可靠性实验测试
REGULAR TESTS OF RELIABILITY LABORATORY

实验室测试是保持我们品质可靠性的标准，下面的列表是我们为品质可靠性而进行的常规测试。实际的实验室测试活动不止这些。详情请联系我们的服务团队。

Laboratory test is the standard to maintain our quality reliability, The list below is the routine tests we are running for quality reliability. Actual Laboratory test activities are more than these items. Please contact our service teams for details.

实验室测试 Laboratory Test	参考文件 Reference Documents	实验室测试方法 Laboratory Test Methods	要求的标准 Required Standards
温度循环测试 Temperature Cycling Test	IEC 68–2–14	温度变化+20°C, ~–40°C, ~+20°C, ~+110°C, 以及+20°C, 每个步骤保持30分钟。以此为一个周期, 总运行5周期, 之后, 测试后在常态下静置1或2小时后再进行电性测试。 Temperature changing +20°C, ~–40°C, ~+20°C, ~+110°C, and +20°C, Each step for 30 minutes. Take this as one cycle. Total running 5 Cycles. After this, rest 1 of 2 hours before test.	相关规格保持可接受范围。 The relevant specifics Remain in acceptable range.
端子强度 Terminal Strength	IEC 68–2–21	拉力【Tensile】: 远离本体的轴方向的终端施加10N的力。 Apply 10N to the terminal in the axial direction away from the body. 扭力【Bending】: 将端子弯曲90°, 回到初始位置 。然后反向弯曲90°, 然后折回原位。 Bend the terminal through an angle of 90, Back to initial. Then Opposite direction, and back again.	在测试完成后无可见的损伤。相关规格保持在可接受范围。 No visible damage after test. The relevant specifics Remain in acceptable range.
可焊性 Solder Ability	IEC 68–2–20 Ta	焊锡槽温度235±5°C，焊锡时间应为2.0+/–0.5秒。 Solder bath at 235±5°C, Solder wetting time should be 2.0±0.5 sec.	焊料均匀涂层需保持在最小95%。在测试完成后无可见的损伤。相关规格保持在可接受范围 。 Uniform coating of solder should be minimum 95%. No visible damage after test. The relevant specifics remain in acceptable range.
耐锡耐热性 Resistance to Soldering Heat	IEC 68–2–20 Tb	焊锡槽【Solder bath】: 焊锡槽在260°。浸锡时间: 10±1 秒。 Solder bath at 260°C. Immersion time. 10±1sec. 烙铁【Solder Iron】: 烙铁温度在350±10°C，應用時間3.5±0.5秒。 And Solder iron at 350±10°C. Application time 3.5±0.5 sec.	在测试完成后无可见的损伤。相关规格保持在可接受范围。 No visible damage after test. The relevant specifics Remain in acceptable range.
振动防护 Vibration Proof	IEC 68–2–6 Fc	频率10Hz~50Hz，振幅1.5mm。 每个垂直方向2小时周期，共6小时。 In the frequency 10Hz~50Hz. Amplitude 1.5mm. 2hours period for each perpendicular direction. Toyal 6 hours.	无可见损伤。无开路或短路。 No visible damage. No open or short circuit.
稳态湿热 Damp Heat (Steady state)	IEC 68–2–3 Ca	保持室内温度40±2°C，湿度95%共1344小时后。 测试后在常态下静置1或2小时后再进行电性测试。 Maintain the chamber in 40±2°C, and humidity 95%. Total of 1344 hours. After this, rest 1 or 2 hours in standard conditions Before test.	相关规格保持在可接受范围。 The relevant specifics Remain in acceptable range.
耐湿负荷 Damp Heat (with Load)	IEC 68–2–3 Ca	应连续向电容器施加额定电压，在温度 40±2°C，湿度95%，共1000小时。之後，测试后在常态下静置1或2小时后再进行电性测试。 Rated Voltage should be applied continuously to the capacitor in 40±2°C, and humidity 95%. Total of 1000 hours. After this, rest 1 or 2 hours in standard conditions before test.	相关规格保持在可接受范围。 The relevant specifics Remain in acceptable range.

定期进行可靠性实验测试
REGULAR TESTS OF RELIABILITY LABORATORY

实验室测试是保持我们品质可靠性的标准，下面的列表是我们为品质可靠性而进行的常规测试。实际的实验室测试活动不止这些。详情请联系我们的服务团队。

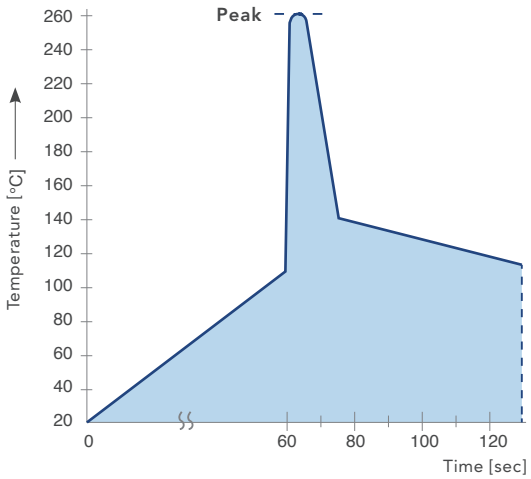
Laboratory test is the standard to maintain our quality reliability, The list below is the routine tests we are running for quality reliability. Actual Laboratory test activities are more than these items. Please contact our service teams for details.

实验室测试 Laboratory Test	参考文件 Reference Documents	实验室测试方法 Laboratory Test Methods	要求的标准 Required Standards
耐久性 Electrical Endurance	IEC 6038–17	额定电压的125%应施加在电容器上，在上限类别温度条件下持续1000小时。之后，测试后在常态下静置1或2小时后再径行电性测试。 125% of rated Voltage should be applied to the capacitor at upper Category temperature for 1000 hours. After this, rest 1 or 2 hours in standard conditions before test.	相关规格保持可接受范围。 The relevant specifics Remain in acceptable range.
干热测试 Dry Heat Test	IEC 68–2–2	110°C, 16hr, 20pcs.	相关规格保持可接受范围。 The relevant specifics Remain in acceptable range.
温度特性测试 Temperature Characteristics Test		–40°C, –2°C, 0°C, 20°C, 40°C, 60°C, 85°C, and 110°C, 5pcs.	△C vs 温度 Temperature, DF vs 温度 Temperature, ESR vs 温度 Temperature。
频率特性测试 Frequency Characteristics Test		100Hz to 1Mhz.	△C vs 温度 Temperature, DF vs 温度 Temperature, ESR vs 温度 Temperature。

无铅波峰焊接条件
LEAD FREE WAVE SOLDERING CONDITIONS

◆ 单峰波峰焊 Single Wave Soldering Conditions

組件:薄膜電容器
(Component: Film Capacitors)



1. 焊接的建议 Soldering Suggestion:

当焊接电容器时，焊锡热会通过导线端子高温和封装层传递到电容器素子，因此必须注意高温和长时间焊接引起的电容器特性衰减或损坏，请确认焊锡在以下温度范围内。

When solder a capacitor, heat in soldering is conducted to the element of the capacitor from wire lead and an enclosure, and hence it should be noted that soldering under high temperature and a long period may cause deterioration of breakdown of capacitors. Be sure to solder within the following temperature condition range.

2. 推荐环境条件 Recommendable Condition:

a. 最高预热温度 (Preheating max temperature): ≦110°C
b. 最大预热时间 (Preheating max time): ≦60 秒(Sec)
c. 最高温度 (Peak temperature): ≦260°C
d. 最高温度吃锡时间 (Peak–temperature hold time): ≦5 秒(Sec)

3. 手工焊接 Hand Soldering:

a. 烙铁最高温度 (Soldering iron top temperature): ≦350°C
b. 焊接时间 (Soldering time): ≦3 秒(Sec)

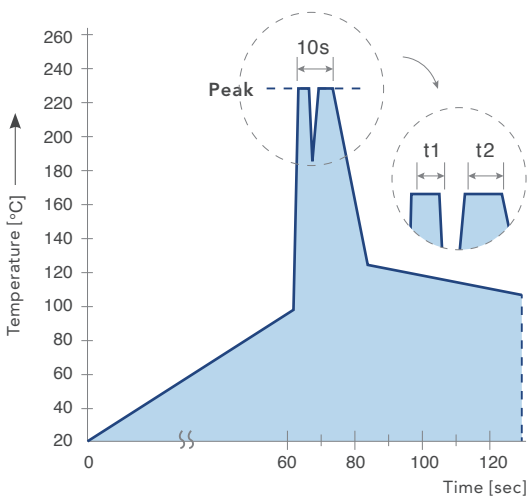
4. 如果要焊接两次，第二次焊接必须等到电容器恢复到常温。建议时间24小时。

If re-work or dipping twice in necessary, it should be done after the capacitor retruned to the normal temperature. Suggestion time is 24 hours.

5. 回流焊接 Reflow Solder.
不适合回流焊接 Not suitable for reflow soldering.

◆ 双峰波峰焊 Single Wave Soldering Conditions

組件:薄膜電容器
(Component: Film Capacitors)



1. 焊接的建议 Soldering Suggestion:

当焊接电容器时，焊锡热会通过导线端子高温和封装层传递到电容器素子，因此必须注意高温和长时间焊接引起的电容器特性衰减或损坏，请确认焊锡在以下温度范围内。

When solder a capacitor, heat in soldering is conducted to the element of the capacitor from wire lead and an enclosure, and hence it should be noted that soldering under high temperature and a long period may cause deterioration of breakdown of capacitors. Be sure to solder within the following temperature condition range.

2. 推荐环境条件 Recommendable Condition:

a. 最高预热温度 (Preheating max temperature): ≦110°C
b. 最大预热时间 (Preheating max time): ≦60 秒(Sec)
c. 最高温度 (Peak temperature): ≦260°C
d. t1+t2: ≦5 秒(Sec)

3. 手工焊接 Hand Soldering:

a. 烙铁最高温度 (Soldering iron top temperature): ≦350°C
b. 焊接时间 (Soldering time): ≦3 秒(Sec)

4. 如果要焊接两次，第二次焊接必须等到电容器恢复到常温。建议时间24小时。

If re-work or dipping twice in necessary, it should be done after the capacitor retruned to the normal temperature. Suggestion time is 24 hours.

5. 回流焊接 Reflow Solder.
不适合回流焊接 Not suitable for reflow soldering.

产品规格

PRODUCTS SPECIFICATION

料号
PART NUMBER SYSTEM

◆ 例 Example:

M	K	P	—	1	0	5	K	0	2	7	5	A	B	1	1	5	1	—	P
			①			②	③			④		⑤	⑥	⑦	⑧		⑨		⑩

① 产品系列型号 Series of Capacitor:

系列名共有4个空格, 如此处为空白则在后面加“—”。
There are four spaces of series and put “—” behind if empty.

② 容量 Capacitance:

使用pf皮法来表示 (1 microfarad微法=1,000,000 picofarads皮法) 前两位表示有效数字，第三位标出是跟随0之后的号码。
Express in picofarad(1 microfarad=1,000,000 picofarads)First two digits represent significant figures, third digit specifies the number of zero to follow.

Exp: 102=0.001μF, 103=0.01μF, 104=0.1μF, 105=1.0μF, 106=10.0μF

③ 容量偏差 Tolerance:

仅有一个空格用于表示下列代码。Only one space for the code as below.

F=1%, G=2%, L=2.5%, H=3%, J=5%, N=7.5%, K=10%, M=20%

④ 额定电压 Voltage:

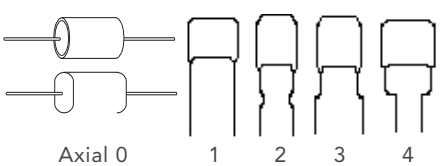
共有4个空格显示, 请把0放置前面的空格处。
There are four spaces to show. Please put the zero in the ahead empty space.

0050=50V, 0100=100V, 1000=1000V

⑤ 电压别 Different of Voltage: A=AC, D=DC

⑥ 包装方式 Package: **B**=散装 (Bulk), **T**= 打带 (Taping)

⑦ 导线外形 Lead Shape: **0**=Axial Lead, **1**=Straight, **2**=Standard kink, **3**=Outside kink, **4**=Inside kink



⑧ 成型脚距 Lead Pitch:

共有2个空格用于表示下列代码。There are two space for the code in below.

00=Axial Lead	04=4mm	05=5mm	06=6mm	07=7/7.5mm	10=10mm	12=12.5mm
15=15mm	17=17.5mm	20=20mm	22=22.5mm	25=25mm	27=27.5mm	30=30mm
32=32.5mm	37=37.5mm	40=40mm	42=42.5mm			

⑨ 脚长 Lead Length:

仅有一个空格用于表示下列代码。There are one space for the code in below.

0=Axial Lead	1=17mm(Min)	2=3.5mm	3=4.0mm	4=4.5mm	5=10mm	6=15mm
7=20mm	8=Taping	9=6mm	B=5mm			

⑩ 检查码 Inspection Code:

–P: MKP第5代 (Rohs)	H: HF产品	H4: MKP第4代HF
H5: MKP第5代HF	I : THB 500H (ROHS)	U: THB 1000H (ROHS)

编带&包装
TAPING & PACKAGING

※ BOX 包装，P≧15短导线 3~6mm 为装箱包装，剩下为袋装包装。
※ BOX package P≧15short lead 3~6mm are container package the ramains are bag package.

BOX package				
BOX (W*H*T)	Container package quantity	Bag package quantity	TAP feed hole pitch	TAP quantity
10.5*9*4		3000	NA	1000
10*9*4		3000	NA	1000
10*12*6		3000	NA	800
10*8*4		3000	NA	1000
10*10*5		3000	NA	1000
10.5*9*4.5		3000	NA	1000
10.5*10*5		3000	NA	1000
10.5*9.5*4.5		3000	NA	1000
13*9*4		3000	Po:15	1000
13*11*5		3000	Po:15	800
13*12*6		2000	Po:15	700
13*13*7		2000	Po:15	600
13*14*8		2000	Po:15	500 (reel packaging)
13*10*5		3000	Po:15	800
13*11*5.5		3000	Po:15	800
13*12*7		2000	Po:15	600
13*13*6		2000	Po:15	700
15*14*8.5		1600	Po:12.7	300
15*12.5*7		2000	Po:12.7	350
15*16*10		1000	Po:12.7	250 (reel packaging)
15*11.5*6		2000	Po:12.7	400
18*11*5	800	2000	Po:12.7	500
18*12*6	672	1600	Po:12.7	400
18*13.5*7.5	528	1000	Po:12.7	350
18*14.5*8.5	464	1000	Po:12.7	300
18*16.5*10	400	800	Po:12.7	250
18*14*7.5	528	1000	Po:12.7	350
18*17.5*8.5	464	1000	Po:12.7	300
18*12.5*6	672	1600	Po:12.7	400
18*15*9	448	1000	Po:12.7	300
18*18*10	400	800	Po:12.7	250
18*21*12	336	700	Po:12.7	200
18*16*10	400	800	Po:12.7	250
18*19*10	400	800	Po:12.7	250
18*14*8	496	1000	Po:12.7	300
18*15*8.5	464	1000	Po:12.7	300
18*19*11	368	800	Po:12.7	250
18*13*7	576	1000	Po:12.7	350
18*14.5*7.5	528	1000	Po:12.7	350
18*15.5*8	496	1000	Po:12.7	300
18*17*8	496	1000	Po:12.7	300
18*18*9	448	800	Po:12.7	300

BOX package				
BOX (W*H*T)	Container package quantity	Bag package quantity	TAP feed hole pitch	TAP quantity
18*13.5*10	400	1000	Po:12.7	250
18*18.5*11	368	800	Po:12.7	250
18*14.5*7	576	1000	Po:12.7	350
18*17*6	672	1000	Po:12.7	400
18*10*5	800	2000	Po:12.7	500
18*11.5*6	672	1600	Po:12.7	400
18*9*4	1008	2000	Po:12.7	650
18*10.5*5	800	2000	Po:12.7	500
18*12.8*9	448	1000	Po:12.7	300
18*17.5*6	672	1000	Po:12.7	400
18*17.5*7.5	528	1000	Po:12.7	350
18*19*12.5	320	800	Po:12.7	200
26*15*6	462	1000	Po:15	450 (reel packaging)
26*16.5*7	396	800	Po:15	450 (reel packaging)
26*17*8.5	319	800	Po:15	450 (reel packaging)
26*19*10	275	500	Po:15	400 (reel packaging)
26*14.5*6	462	1000	Po:15	450 (reel packaging)
26*16*6	462	800	Po:15	450 (reel packaging)
26*14.5*7	396	800	Po:15	450 (reel packaging)
26*18.5*7	396	800	Po:15	450 (reel packaging)
26*16*7	396	800	Po:15	450 (reel packaging)
26*20*10	275	500	Po:15	400 (reel packaging)
26*18.5*8.5	319	800	Po:15	450 (reel packaging)
26*18.5*10	275	500	Po:15	400 (reel packaging)
26*22*12	231	400	Po:15	350 (reel packaging)
26*20*11.5	242	500	Po:15	450 (reel packaging)
26*22*12.5	220	400	Po:15	400 (reel packaging)
26*16.5*7.5	363	800	Po:15	450 (reel packaging)
26*17*8	341	800	Po:15	450 (reel packaging)
26*18*9	308	500	Po:15	450 (reel packaging)
26*25*15	176	300	Po:15	250 (reel packaging)
31*20*11	207	400	NA	300 (reel packaging)
31*22*13	171	200	NA	300 (reel packaging)
31*18*9	252	400	NA	300 (reel packaging)
31*20*10	225	400	NA	300 (reel packaging)
31*26*18	126	200	NA	300 (reel packaging)
31*31*22	99	120	NA	300 (reel packaging)
31*23.5*14	162	200	NA	300 (reel packaging)
31*24.5*15	153	200	NA	300 (reel packaging)
31*33*18	117	160	NA	300 (reel packaging)
31*26*17.5	126	160	NA	300 (reel packaging)
31*29*15.5	144	160	NA	300 (reel packaging)

DIP (bag) package			
Pitch	T (mm)	Straight lead quantity	Lead forming quantity
7.5	＜8	4000	10000
	≧8	4000	7000
10	≦7.5	3000	5000
	＞7.5	3000	4000
15	≦7	2000	3000
	＞7≦8.5	1600	3000
	＞8.5＜9	1600	2400
	≧9＜10	1600	2000
	≧10＜11	1200	1600
	≧11＜12	800	1200
	≧12	800	800
20	＜10	1600	1600
	≧10≦10.5	800	1600
	＞10.5≦12	800	1200
	＞12≦12.5	600	1200
	＞12.5	600	800
22.5	＜10MM	1200	2000
	≧10≦10.5	1200	1600
	＞10.5≦12	1200	1200
	＞12≦12.5	600	800
	＞12.5	600	800

DIP (bag) package			
Pitch	T (mm)	Straight lead quantity	Lead forming quantity
P series P: 27.5	≦10	800	800
	＞10≦11.5	600	800
	＞11.5≦12	800	800
	＞12≦14.5	400	600
	＞14.5≦20	300	300
	＞20	200	200
M series P: 27.5	≦10	800	800
	＞10≦11.5	600	600
	＞11.5≦12	600	800
	＞12≦14	400	600
	＞14≦14.5	400	600
	＞14.5≦20	300	300
	＞20	200	200

DIP (TAP) package		
Pitch	Thickness (mm)	TAP quantity
7.5	NA	1000
10	NA	1000
15	≦5	500
	5.1~5.5	450
	5.6~8.6	400
22.5	＞8.6	250
	≦5.5	500
	5.6~7	400
	7.1~8.6	400
	＞8.6	250

AXIAL (circle) package		
width (W)	Diameter	Bag package quantity
11	NA	5000
14	NA	5000
19	NA	1600
25	≦10.5mm	1000
	＞10.5mm	800
27	≦10.5mm	1000
	＞10.5mm	800
33	NA	500
38	NA	500
44	NA	500
48	NA	200

AXIAL (flat) package		
width (W)	Diameter	Bag package quantity
11	NA	5000
14	NA	5000
19	NA	1600
25	≦10.5mm	1000
	＞10.5mm	800
27	≦10.5mm	1000
	＞10.5mm	800
33	NA	500
38	NA	500
44	NA	500
48	NA	120

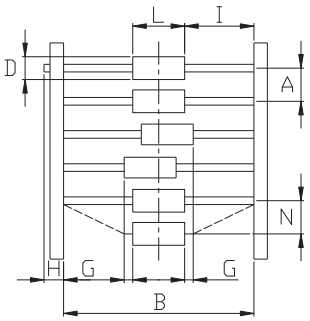
AXIAL (circle) package		
D max (mm)	L max (mm)	Reel Φ355mm (PCS)
5	11	3000
5.1 to 6.5	11	1300
6.0 to 6.5	14.0 to 16.5	1300
6.6 to 7.0	14.0 to 16.5	1200
7.1 to 7.5	14.0 to 16.5	1100
7.6 to 8.0	14.0 to 16.5	1000
8.1 to 8.5	14.0 to 16.5	900
8.6 to 9.5	14.0 to 16.5	800
9.6 to 10.5	14.0 to 16.5	600
6.5 to 7.0	18.8 to 20.5	1200
7.1 to 7.5	18.8 to 20.5	1100
7.6 to 8.0	18.8 to 20.5	1000
8.1 to 8.5	18.8 to 20.5	900

AXIAL (circle) package		
D max (mm)	L max (mm)	Reel Φ355mm (PCS)
8.6 to 9.5	18.8 to 20.5	800
9.6 to 10.5	18.8 to 20.5	600
10.6 to 13.0	18.8 to 20.5	400
8.1 to 8.5	26.5 to 28.0	900
8.6 to 9.5	26.5 to 28.0	800
9.6 to 10.5	26.5 to 28.0	600
10.6 to 12.0	26.5 to 28.0	400
12.1 to 13.0	26.5 to 28.0	400
13.1 to 14.5	26.5 to 28.0	300
14.6 to 15.5	26.5 to 28.0	250
11.0 to 12.0	31.5 to 33.0	400
12.1 to 13.0	31.5 to 33.0	400
13.1 to 14.5	31.5 to 33.0	300

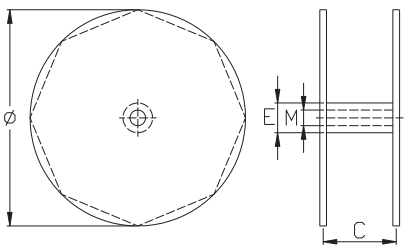
自动插入件用编带规格
TAPING SPECIFICATION FOR AUTOMATIC INSERTION

说明 Description	标志 Symbot	尺寸 Dimensions (mm)
组件直径 Component diameter	D	4.5 to 14.7
本体长度 Body length	L	11 to 33
组件间距 Component pitch	A*	见表 I (See Table I)
卷芯直径 Reel core diameter	E	85
轴孔直径 Arbor hole diameter	M	30
卷径 Reel diameter	Φ	355 max
编带宽度 Tape width	H	6±0.5
本体位置 (横向左右差异) Body location (lateral deviation)	G	≦0.7
本体位置 (垂直上下差异) Body location (longitudinal deviation)	N	≦1.2
编带间距 Tape spacing	B	见表 II (See Table II)
元件本体到胶带导线长度 Lead length from the component body to the adhesive tape	I	≧20
卷轴轮缘之间距离 Distance between reel flanges	C	见表 II (See Table II)

Technical terms: IEC 286–1



Packaging detail
Available Φ355mm only.



Remarks:

* 累计间距公差不能超过1.5mm (Cumulative pitch tolerarce must not exceed 1.5mm)
* 超过六个，要连续分别量测 (over six consecutive components)

表 I (Table I)

D max (mm)	A (mm)
≦5	5 ± 0.5
5.1 to 9.5	10 ± 0.5
9.6 to 14.7	15 ± 0.5

表 II (Table II)

L max (mm)	级别 Class	B ± 1.5 (mm)	C (mm)
≦11	I	52.4	75
14.0 to 20.5	II	63.6	86
≧26	II	73.0	98

自动插入件用编带规格
TAPING SPECIFICATION FOR AUTOMATIC INSERTION

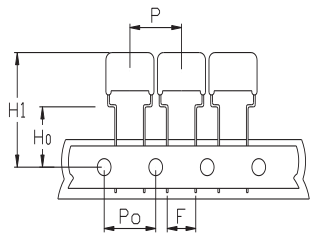
标准&ODD尺寸 (Standard & Odd Size)

编带类型 Taping Type

形状 Shape	名称 Name	规格 Specification	编带类型 Taping style
径向类型 Radial type	标准打带 Standard taping	5mm 导线间距, 12.7mm 本体宽度 5mm lead spacing with 12.7mm body width	A1, A2, A3
	ODD尺寸打带 Odd size taping (1)	5/7.5mm 导线间距, 15mm 或以上本体宽度 5/7.5mm lead spacing with 15mm and up body width	B, C, D, E

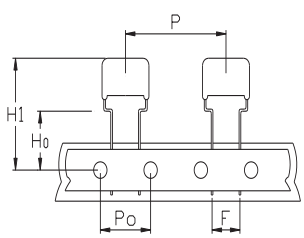
径向类型标准打带 Standard Taping of Radial Type

类型 A (Style A)



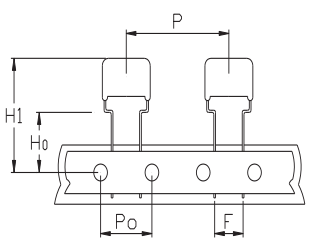
P	12.7
Po	12.7
F	5.0
Ho	16.0
H1	32.2 max

类型 C (Style C)



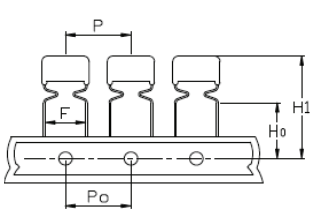
P	25.4
Po	12.7
F	5.0
Ho	16.0
H1	38.5 max

类型 E (Style E)



P	30.0
Po	15.0
F	7.5
Ho	16.0
H1	38.5 max

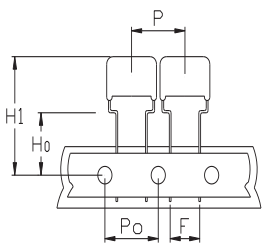
类型 G (Style G)



P	25.4
Po	12.7
F	15.0
Ho	16.5
H1	44 max

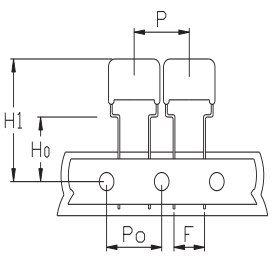
ODD尺寸打带 Odd size taping (1)

类型 B (Style B)



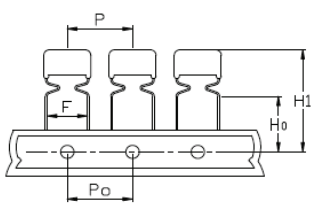
P	15.0
Po	15.0
F	5.0
Ho	16.0
H1	38.5 max

类型 D (Style D)



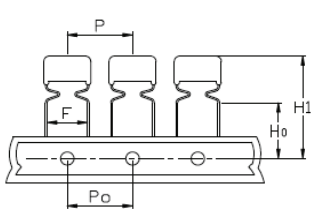
P	15.0
Po	15.0
F	7.0
Ho	16.0
H1	38.5 max

类型 F (Style F)



P	25.4
Po	12.7
F	10.0
Ho	16.5
H1	44 max

类型 H (Style H)

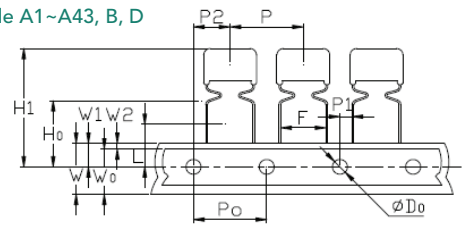


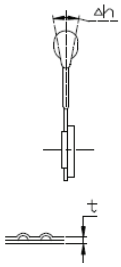
P	12.7
Po	12.7
F	7.5
Ho	16.5
H1	44 max

编带配置的典型尺寸
TYPICAL DIMENSIONS FOR TAPING CONFIGURATION

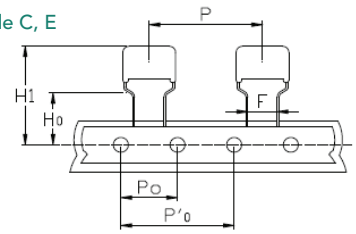
类型 A, B, D (Style A, B, D)	类型 C, E (Style C, E)

Style A1~A43, B, D

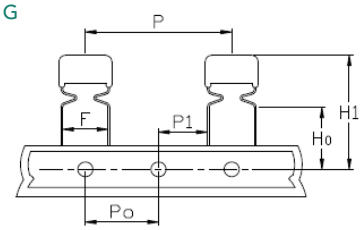




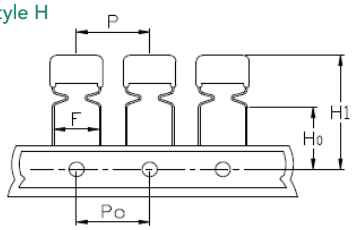
Style C, E



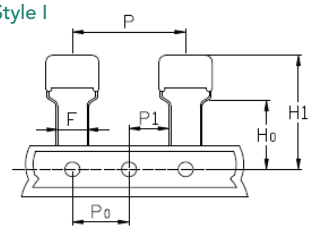
Style F, G



Style H

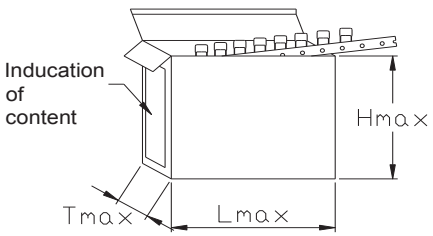


Style I

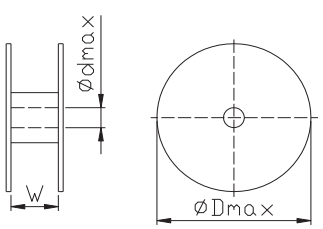


Lead Forming Type	7.5 To 5	10 To 5	10 To 5	10 To 7.5	15 To 7.5	15 To 10	15 To 10	10 To 10	15 To 15	7.5 To 7.5
Code	Style A	Style B	Style C	Style D	Style E	Style I	Style I	Style F	Style G	Style H
P	12.7±1.0	15.0±1.0	25.4±1.0	15.0±1.0	30.0±1.0	30.0±1.0	25.4±1.0	25.4±1.0	25.4±1.0	12.7±1.0
P_0	12.7±0.2	15.0±0.2	12.7±0.2	15.0±0.2	15.0±0.2	15.0±0.2	12.7±0.2	12.7±0.2	12.7±0.2	12.7±0.2
P'_0	—	—	25.4±0.2	—	30.0±0.2	—	—	—	—	25.4±0.2
P_1	3.85±0.5	5.0±0.5	3.85±0.5	3.75±0.5	3.75±0.5	10.0±0.7	7.7±0.7	7.7±0.5	5.2±0.5	—
P_2	6.35±1.3	7.5±1.3	6.35±1.3	7.5±1.3	7.50±1.3	7.5±1.3	6.35±1.3	—	—	—
F	5 +0.6 −0.1	5 +0.6 −0.1	5 +0.6 −0.1	7.5 +0.6 −0.1	7.5 +0.6 −0.1	10 +0.6 −0.1	10 +0.6 −0.1	10 +0.8 −0.2	15 +0.8 −0.2	7.5 +0.8 −0.2
△h	0±2.0									
W	18.0±0.5									
W_0	9.5 min.									
W_1	9.0±0.5									
W_2	0~3.0									
H_0	16. 0±0.5	16. 0±0.5	16. 0±0.5	16 +1.0 0	16 +1.0 0	16. 0±0.5	16. 0±0.5	16. 0±0.5	16. 0±0.5	16. 0±0.5
H_1	32.2 max.	38.5 max.	38.5 max.	38.5 max.	38.5 max.	38.5 max.	38.5 max.	44.0 max.	44.0 max.	44.0 max.
ϕD_0	4.0±0.2									
t	0.7±0.2									
L	11.0 max.							7.0 max.		

编带包装 Ammo Packing



卷轴包装 Reel Packing



编带配置的典型尺寸
TYPICAL DIMENSIONS FOR TAPING CONFIGURATION

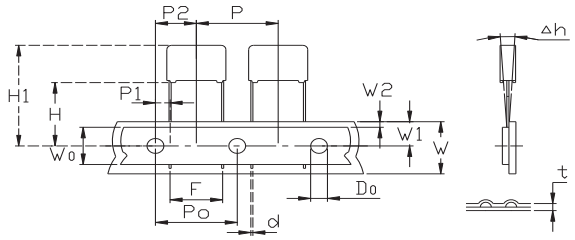


Fig 1 Pitch: 7.5, Po=15

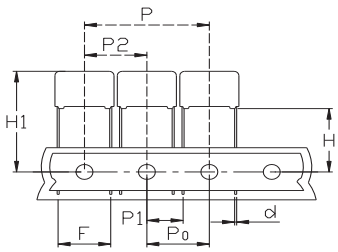


Fig 2 Pitch: 7.5, Po=12.7

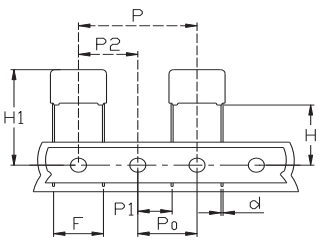


Fig 3 Pitch: 10/12.5/15

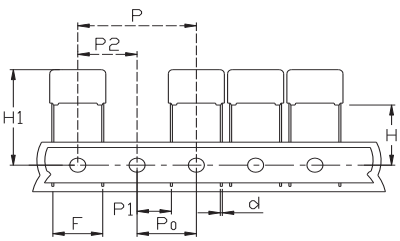


Fig 4 Pitch: 10

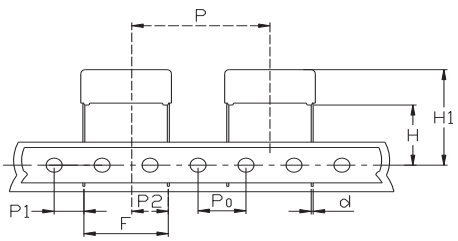
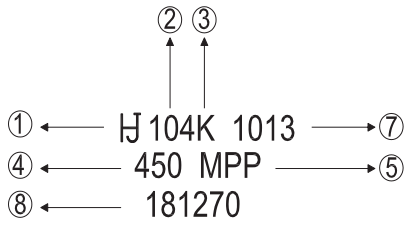


Fig 5 Pitch: 22.5/27.5

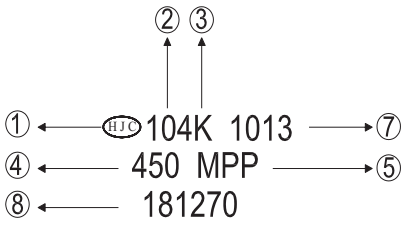
说明 Description	标志 Symbol	间距:7.5 Pitch: 7.5	间距:7.5 Pitch: 7.5	间距:10 Pitch: 10	间距:10 Pitch: 10	间距:12.5 Pitch: 12.5	间距:15 Pitch: 15	间距:22.5 Pitch: 22.5	间距:27.5 Pitch: 27.5
载带宽度 Carrier tape width	W	18±0.5	18±0.5	18±0.5	18±0.5	18±0.5	18±0.5	18±0.5	18±0.5
压带宽度 Hold down tape width	W_0	9.5min	9.5min	9.5min	9.5min	9.5min	9.5min	9.5min	9.5min
孔位 Hole position	W_1	9.0±0.5	9.0±0.5	9.0±0.5	9.0±0.5	9.0±0.5	9.0±0.5	9.0±0.5	9.0±0.5
压带位置 Hold down tape position	W_2	0~3.0	0~3.0	0~3.0	0~3.0	0~3.0	0~3.0	0~3.0	0~3.0
进料孔直径 Feed hole diameter	D_0	4.0±0.2	4.0±0.2	4.0±0.2	4.0±0.2	4.0±0.2	4.0±0.2	4.0±0.2	4.0±0.2
打带间距 Taping pitch	P	15.0±1.0	12.7±1.0	25.4±1.0	30.0±1.0	25.4±1.0	25.4±1.0	38.1±1.0	38.1±1.0
进料孔间距 Feed hole pitch	P_0	15.0±0.2	12.7±0.2	12.7±0.2	15.0±0.2	12.7±0.2	12.7±0.2	12.7±0.2	12.7±0.2
导线居中 Centering of the lead wire	P_1	3.75±0.7	3.75±0.7	7.7±0.7	10.0±0.7	6.25±0.7	5.2±0.7	7.8±0.7	5.3±0.7
本体居中 Centering of the body	P_2	7.5±1.3	6.35±1.3	12.7±1.3	15.0±1.3	12.7±1.3	12.7±1.3	19.05±1.3	19.05±1.3
元件距编带中心高度 Height of component from Tape center	H	18.5±0.5	18.5±0.5	18.5±0.5	18.5±0.5	18.5±0.5	18.5±0.5	18.5±0.5	18.5±0.5
组件上边缘 Top edge of component	H_1	32.2 max	32.2 max	39.0 max	39.0 max	39.0 max	39.0 max	44.0 max	44.0 max
导线间距 Lead spacing (pitch)	F	7.5+0.5–0.1	7.5+0.5–0.1	10.0+0.5–0.1	10.0+0.5–0.1	12.5+0.5–0.1	15.0+0.5–0.1	22.5+0.5–0.1	27.5+0.5–0.1
导线直径 Lead wire diameter	d	0.6±0.05	0.6±0.05	0.6±0.05	0.6±0.05	0.6±0.05	0.8±0.05	0.8±0.05	0.8±0.05
组件对齐 Component alignment	△h	0±2.0	0±2.0	0±2.0	0±2.0	0±2.0	0±2.0	0±3.0	0±3.0
编带厚度 Tape thickness	t	0.7±0.2	0.7±0.2	0.7±0.2	0.7±0.2	0.7±0.2	0.7±0.2	0.7±0.2	0.7±0.2

印字
MARKING

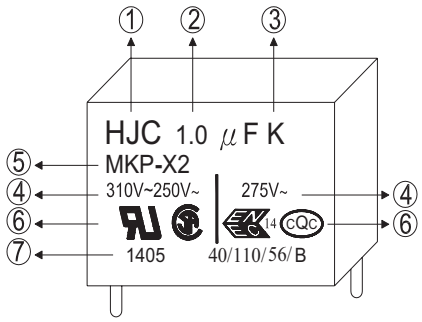
(A)



(B)



(C)



1. HJ OR HJC 为华容电子有限公司名称或标志
   Name or Symbol of HUA JUNG COMPONENTS CO.,LTD.

2. 额定容量使用μF (微法)
   Nominal capacitance in μF (microfarad)

3. 容量公差标志如下: (Symbols of Capacitance Tolerance as follows:)

误差 Tolerance	±1%	±2%	±3%	±5%	±10%	±20%
標誌 Symbols	F	G	H	J	K	M

4. 额定电压如下: (Rated Voltages as follows:)

   直流电DC: 50V, 100V, 250V, 400V, 630V, 1000V, 1200V, 1600V, 2000V
   交流电AC: 250V~, 275V~, 310V~

5. 电容器类型如下: (Series of Capacitors as follow:)

TYPE	NON–INDUCTIVE
RADIAL	PEN PPN PPS MEF MFF MPP MPS MPB MP4 HP4 PPSB MKP-X2 MEB MP2 MP3 MPSA MP5 HP5
TUBULAR FLAT–OVAL	MET MPT MEA MPA

6. 各国安全认证标志 Various Countries Safety Approval Logo

U.S.A　Canada　Europe　China　Germany

7. 周期 Date Code

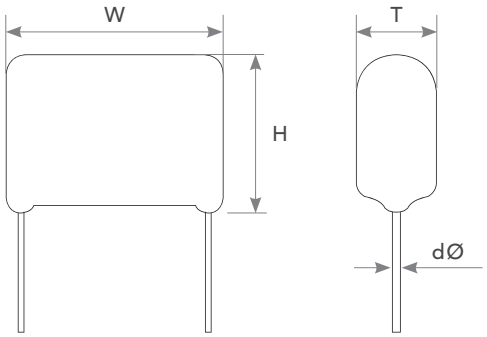
   年 (Year): 10→2010, 11→2011, 12→2012, 13→2013, 14→2014
   週 (Week on): 01~52

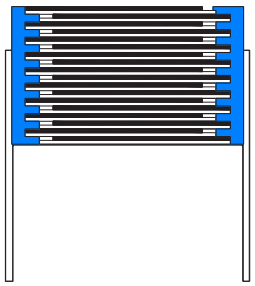
8. 生产批号
   PRODUCTION NO.

系列
SERIES

金属化聚酯薄膜电容器(MEF)
METALLIZED POLYESTER FILM CAPACITOR–RADIAL (MEF)

MEF





金属化聚酯膜
Metallized Polyester Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚酯薄膜
  Dielectric: Metallized Polyester Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡线
  Leads: Tinned Wire
- 外部涂层: 阻燃性氧树脂
  Outer Coating: Flame retarding epoxy resin

特点 Feature:

- 良好的自愈性
  Self–healing property
- 廣泛的額定電壓
  Wide rated voltage range
- 广泛的额定容量
  Wide rated capacitance range
- 适用于自动插件
  Available for wire automatic insertion range

推荐应用 Recommended Application:

- 标准用法
  General purpose usage
- 耦合、旁路、滤波、定时
  Blocking, by-passing, filtering, timing
- 日光灯、HID灯镇流器
  Fluorescent lamp, HID lamp ballast
- 空调、风扇、启动马达及其他工业设备
  Air conditioner, Fan, Motor running & Other industrial equipment

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–2
额定电压 Rated Voltage	100VDC, 250VDC, 400VDC, 630VDC
额定温度 Rated Temperature	–40°C ~ +85°C
最大运行温度 Usable Upper Category Temperature	+110°C (Derating ratio of rated voltage to +85°C ~ +110°C: 1.25% per °C for Rated Voltage)
容量范围 Capacitance Range	0.01μF ~ 10μF
容量误差 Capacitance Tolerance	±2% (G), ±5% (J), ±10% (K)
损耗角正切 Dissipation Factor	1.0 % (max.) at 1KHz | 1.5 % (max.) at 10KHz
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at 20°C±5°C), Voltage charge: 100VDC × 1 minute VR≦100VDC: ≥15000MΩ for C≦0.33μF , ≥5000MΩ×μF for C>0.33μF VR>100VDC: ≥30000MΩ for C≦0.33μF , ≥10000MΩ×μF for C>0.33μF
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C) 1.6 × VR applied for 2sec. (cut off current 10mA)

额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	7.5 mm	10 mm	15 mm	20 mm	27.5 mm
	50/63 VDC	20	----	----	----	----
	100 VDC	35	30	20	10	5
	250 VDC	----	110	45	20	15
	400 VDC	----	160	65	30	25
	630 VDC	----	200	90	35	30

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	100VDC / 63VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.01	10.5	9	5.5	7.5	0.6	MEF–103*0100DB*07*
0.015	10.5	9.5	6	7.5	0.6	MEF–153*0100DB*07*
0.022	10.5	9.5	6	7.5	0.6	MEF–223*0100DB*07*
0.033	10.5	9.5	6	7.5	0.6	MEF–333*0100DB*07*
0.047	10.5	9.5	6	7.5	0.6	MEF–473*0100DB*07*
0.068	10.5	9.5	6	7.5	0.6	MEF–683*0100DB*07*
0.1	10.5	9.5	6	7.5	0.6	MEF–104*0100DB*07*
0.15	13	9	5.5	10	0.6	MEF–154*0100DB*10*
0.22	13	10	6.5	10	0.6	MEF–224*0100DB*10*
0.33	13	11.5	8	10	0.6	MEF–334*0100DB*10*
0.47	18.5	11	6	15	0.6	MEF–474*0100DB*15*
0.68	18.5	12.5	7.5	15	0.6	MEF–684*0100DB*15*
1.0	18.5	13.5	8.5	15	0.8	MEF–105*0100DB*15*
1.5	22.5	14.5	8	20	0.8	MEF–155*0100DB*20*
2.2	22.5	16.5	10	20	0.8	MEF–225*0100DB*20*
3.3	22.5	20	12	20	0.8	MEF–335*0100DB*20*
4.7	22.5	21.5	14	20	0.8	MEF–475*0100DB*20*
6.8	32	23.5	14.5	27.5	0.8	MEF–685*0100DB*27*
10	32	29	18	27.5	0.8	MEF–106*0100DB*27*

R.V.	250VDC / 160VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.01	10.5	9	5.5	7.5	0.6	MEF–103*0250DB*07*
0.015	10.5	9.5	6	7.5	0.6	MEF–153*0250DB*07*
0.022	10.5	9.5	6	7.5	0.6	MEF–223*0250DB*07*
0.033	10.5	9.5	6	7.5	0.6	MEF–333*0250DB*07*
0.047	10.5	9.5	6	7.5	0.6	MEF–473*0250DB*07*
0.068	10.5	10	6.5	7.5	0.6	MEF–683*0250DB*07*
0.1	13	10	6.5	10	0.6	MEF–104*0250DB*10*
0.15	18.5	11	6	15	0.6	MEF–154*0250DB*15*
0.22	18.5	11.5	6.5	15	0.6	MEF–224*0250DB*15*
0.33	18.5	12	7	15	0.8	MEF–334*0250DB*15*
0.47	22.5	12.5	7.5	20	0.8	MEF–474*0250DB*20*
0.68	22.5	13.5	8.5	20	0.8	MEF–684*0250DB*20*
1.0	22.5	15	10	20	0.8	MEF–105*0250DB*20*
1.5	32	17.5	9.5	27.5	0.8	MEF–155*0250DB*27*
2.2	32	19	10.5	27.5	0.8	MEF–225*0250DB*27*
3.3	32	23	13.5	27.5	0.8	MEF–335*0250DB*27*
4.7	36	24	14	32.5	0.8	MEF–475*0250DB*32*
6.8	42	27	16	37.5	1.0	MEF–685*0250DB*37*
10	42	35	19	37.5	1.0	MEF–106*0250DB*37*

＊ 最大尺寸 Maximum dimensions (mm): W max = W+0.2

Cap. (μF) | 标准单位 (Size unit): mm

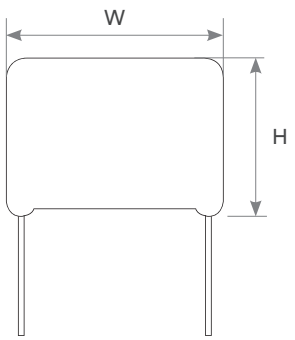
R.V.	400VDC / 200VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.01	10.5	9	5.5	7.5	0.6	MEF–103*0400DB*07*
0.015	10.5	9.5	6	7.5	0.6	MEF–153*0400DB*07*
0.022	13	9.5	6	10	0.6	MEF–223*0400DB*10*
0.033	13	10	6.5	10	0.6	MEF–333*0400DB*10*
0.047	13	12	7	10	0.6	MEF–473*0400DB*10*
0.068	13	13	8	10	0.6	MEF–683*0400DB*10*
0.1	18.5	12.5	7	15	0.8	MEF–104*0400DB*15*
0.15	18.5	13.5	8	15	0.8	MEF–154*0400DB*15*
0.22	22.5	14.5	8	20	0.8	MEF–224*0400DB*20*
0.33	22.5	15	9	20	0.8	MEF–334*0400DB*20*
0.47	22.5	18.5	11.5	20	0.8	MEF–474*0400DB*20*
0.68	32	19	12	27.5	0.8	MEF–684*0400DB*27*
1.0	32	21.5	13.5	27.5	0.8	MEF–105*0400DB*27*
1.5	36	23.5	14	32.5	0.8	MEF–155*0400DB*32*
2.2	36	27.5	18.5	32.5	0.8	MEF–225*0400DB*32*
3.3	42	30.5	18.5	37.5	1.0	MEF–335*0400DB*37*
4.7	46	34	22	42.5	1.0	MEF–475*0400DB*42*

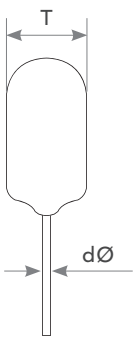
R.V.	630VDC / 220VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.01	13	10	6	10	0.6	MEF–103*0630DB*10*
0.015	13	10.5	6.5	10	0.6	MEF–153*0630DB*10*
0.022	13	12.5	7.5	10	0.6	MEF–223*0630DB*10*
0.033	18.5	12	6.5	15	0.6	MEF–333*0630DB*15*
0.047	18.5	12.5	7.5	15	0.6	MEF–473*0630DB*15*
0.068	18.5	14	8.5	15	0.8	MEF–683*0630DB*15*
0.1	18.5	14.5	10	15	0.8	MEF–104*0630DB*15*
0.15	22.5	16.5	9.5	20	0.8	MEF–154*0630DB*20*
0.22	22.5	19	11.5	20	0.8	MEF–224*0630DB*20*
0.33	32	19	12	27.5	0.8	MEF–334*0630DB*27*
0.47	32	22	13.5	27.5	0.8	MEF–474*0630DB*27*
0.68	36	22.5	14.5	32.5	0.8	MEF–684*0630DB*32*
1.0	36	29	16	32.5	0.8	MEF–105*0630DB*32*
1.5	42	29.5	18.5	37.5	1.0	MEF–155*0630DB*37*
2.2	46	32.5	20.5	42.5	1.0	MEF–225*0630DB*42*

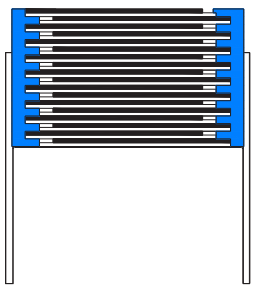
＊ 最大尺寸 Maximum dimensions (mm): W max = W+0.2

金属化聚酯薄膜电容器(MFF)
METALLIZED POLYESTER FILM CAPACITOR–RADIAL (MFF)

MFF







金属化聚酯膜
Metallized Polyester Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚酯薄膜
  Dielectric: Metallized Polyester Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡线
  Leads: Tinned Wire
- 外部涂层: 阻燃性氧树脂
  Outer Coating: Flame retarding epoxy resin

特点 Feature:

- 良好的自愈性
  Self–healing property
- 廣泛的額定電壓
  Wide rated voltage range
- 广泛的额定容量
  Wide rated capacitance range
- 超小型尺寸
  Ultra–miniature size
- 适用于自动插件
  Available for wire automatic insertion range

推荐应用 Recommended Application:

- 标准用法
  General purpose usage
- 耦合、旁路、滤波、定时
  Blocking, by-passing, filtering, timing
- 日光灯、HID灯镇流器
  Fluorescent lamp, HID lamp ballast
- 空调、风扇、启动马达及其他工业设备
  Air conditioner, Fan, Motor running & Other industrial equipment

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–2
额定电压 Rated Voltage	100VDC, 250VDC, 400VDC, 630VDC
额定温度 Rated Temperature	–40°C ~ +85°C
最大运行温度 Usable Upper Category Temperature	+110°C (Derating ratio of rated voltage to +85°C ~ +110°C: 1.25% per °C for Rated Voltage)
容量范围 Capacitance Range	0.01μF ~ 10μF
容量误差 Capacitance Tolerance	±2% (G), ±5% (J), ±10% (K)
损耗角正切 Dissipation Factor	1.0 % (max.) at 1KHz | 1.5 % (max.) at 10KHz
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at 20°C±5°C), Voltage charge: 100VDC × 1 minute ≥9000MΩ for C≦0.33μF ≥3000MΩ×μF for C＞0.33μF

耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C) 1.6 × V_R applied for 2sec. (cut off current 10mA)					
额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	7.5 mm	10 mm	15 mm	22.5 mm	27.5 mm
	100VDC	35	30	20	10	5
	250VDC	80	110	45	20	15
	400VDC	190	160	65	30	25
	630VDC	-----	200	90	35	30

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	100VDC / 63VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.1	10.5	7.5	4	7.5	0.6	MFF–104*0100DB*07*
0.12	10.5	7.5	4	7.5	0.6	MFF–124*0100DB*07*
0.15	10.5	8	4.5	7.5	0.6	MFF–154*0100DB*07*
0.18	10.5	8.5	5	7.5	0.6	MFF–184*0100DB*07*
0.22	10.5	8.5	5	7.5	0.6	MFF–224*0100DB*07*
0.27	10.5	9.5	5.5	7.5	0.6	MFF–274*0100DB*07*
0.33	10.5	10	6	7.5	0.6	MFF–334*0100DB*07*
0.39	10.5	10.5	6	7.5	0.6	MFF–394*0100DB*07*
0.47	10.5	12	6	7.5	0.6	MFF–474*0100DB*07*
0.56	13	11	5.5	10	0.6	MFF–564*0100DB*10*
0.68	13	11.5	6	10	0.6	MFF–684*0100DB*10*
0.82	13	13	6	10	0.6	MFF–824*0100DB*10*
1.0	13	14	6.5	10	0.6	MFF–105*0100DB*10*
1.2	18.5	12.5	5.5	15	0.8	MFF–125*0100DB*15*
1.5	18.5	13.5	6	15	0.8	MFF–155*0100DB*15*
1.8	18.5	14	6.5	15	0.8	MFF–185*0100DB*15*
2.2	18.5	15	7	15	0.8	MFF–225*0100DB*15*
2.7	18.5	16	7.5	15	0.8	MFF–275*0100DB*15*
3.3	18.5	16.5	8.5	15	0.8	MFF–335*0100DB*15*
3.9	26	16	7	22.5	0.8	MFF–395*0100DB*22*

R.V.	100VDC / 63VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
4.7	26	17	7.5	22.5	0.8	MFF–475*0100DB*22*
5.6	26	17.5	8	22.5	0.8	MFF–565*0100DB*22*
6.8	26	18.5	9	22.5	0.8	MFF–685*0100DB*22*
8.2	26	20	10	22.5	0.8	MFF–825*0100DB*22*
10.0	26	21	11.5	22.5	0.8	MFF–106*0100DB*22*

＊ 最大尺寸 Maximum dimensions (mm): W max = W+0.2

Cap. (μF) | 标准单位 (Size unit): mm

R.V.	250VDC / 160VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.039	10.5	8	4	7.5	0.6	MFF–393*0250DB*07*
0.047	10.5	8	4.5	7.5	0.6	MFF–473*0250DB*07*
0.056	10.5	8.5	5	7.5	0.6	MFF–563*0250DB*07*
0.068	10.5	8.5	5	7.5	0.6	MFF–683*0250DB*07*
0.082	10.5	9.5	5.5	7.5	0.6	MFF–823*0250DB*07*
0.1	10.5	10	6	7.5	0.6	MFF–104*0250DB*07*
0.12	10.5	10.5	6.5	7.5	0.6	MFF–124*0250DB*07*
0.15	10.5	11	7	7.5	0.6	MFF–154*0250DB*07*
0.18	13	9	4.5	10	0.6	MFF–184*0250DB*10*
0.22	13	11	5	10	0.6	MFF–224*0250DB*10*
0.27	13	11.5	6	10	0.6	MFF–274*0250DB*10*
0.33	13	12	6.5	10	0.6	MFF–334*0250DB*10*
0.39	18.5	12	5	15	0.8	MFF–394*0250DB*15*
0.47	18.5	13	5.5	15	0.8	MFF–474*0250DB*15*
0.56	18.5	13	6	15	0.8	MFF–564*0250DB*15*
0.68	18.5	13.5	6	15	0.8	MFF–684*0250DB*15*
0.82	18.5	14	7	15	0.8	MFF–824*0250DB*15*
1.0	18.5	15	8.5	15	0.8	MFF–105*0250DB*15*
1.2	18.5	15.5	8.5	15	0.8	MFF–125*0250DB*15*
1.5	18.5	16.5	9.5	15	0.8	MFF–155*0250DB*15*
1.8	26	16	7.5	22.5	0.8	MFF–185*0250DB*22*
2.2	26	17	8.5	22.5	0.8	MFF–225*0250DB*22*
2.7	26	18	9.5	22.5	0.8	MFF–275*0250DB*22*
3.3	26	19	10.5	22.5	0.8	MFF–335*0250DB*22*
3.9	26	21.5	10.5	22.5	0.8	MFF–395*0250DB*22*
4.7	26	22	12	22.5	0.8	MFF–475*0250DB*22*
5.6	31	22	12	27.5	0.8	MFF–565*0250DB*27*
6.8	31	23.5	13	27.5	0.8	MFF–685*0250DB*27*
8.2	31	25	14.5	27.5	0.8	MFF–825*0250DB*27*
10	31	26.5	16.5	27.5	0.8	MFF–106*0250DB*27*

R.V.	400VDC / 200VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.015	10.5	8	4.5	7.5	0.6	MFF–153*0400DB*07*
0.018	10.5	8.5	5	7.5	0.6	MFF–183*0400DB*07*
0.022	10.5	8.5	5	7.5	0.6	MFF–223*0400DB*07*
0.027	10.5	9	5.5	7.5	0.6	MFF–273*0400DB*07*
0.033	10.5	9.5	6	7.5	0.6	MFF–333*0400DB*07*
0.039	13	8.5	4.5	10	0.6	MFF–393*0400DB*10*
0.047	13	9	5	10	0.6	MFF–473*0400DB*10*
0.056	13	9.5	5.5	10	0.6	MFF–563*0400DB*10*
0.068	13	11	5.5	10	0.6	MFF–683*0400DB*10*
0.082	13	11.5	5.5	10	0.6	MFF–823*0400DB*10*
0.1	13	12	6.5	10	0.6	MFF–104*0400DB*10*
0.12	18.5	10.5	5	15	0.8	MFF–124*0400DB*15*
0.15	18.5	11.5	5.5	15	0.8	MFF–154*0400DB*15*
0.18	18.5	12	6	15	0.8	MFF–184*0400DB*15*
0.22	18.5	13.5	6	15	0.8	MFF–224*0400DB*15*
0.27	18.5	14	7	15	0.8	MFF–274*0400DB*15*
0.33	18.5	15	7.5	15	0.8	MFF–334*0400DB*15*
0.39	18.5	15.5	8.5	15	0.8	MFF–394*0400DB*15*
0.47	18.5	17.5	8.5	15	0.8	MFF–474*0400DB*15*
0.56	26	16	7.5	22.5	0.8	MFF–564*0400DB*22*
0.68	26	17	8	22.5	0.8	MFF–684*0400DB*22*
0.82	26	17.5	9	22.5	0.8	MFF–824*0400DB*22*
1.0	26	18.5	10	22.5	0.8	MFF–105*0400DB*22*
1.2	26	20	11	22.5	0.8	MFF–125*0400DB*22*
1.5	31	19.5	11	27.5	0.8	MFF–155*0400DB*27*
1.8	31	21	12	27.5	0.8	MFF–185*0400DB*27*
2.2	31	23.5	13	27.5	0.8	MFF–225*0400DB*27*

＊ 最大尺寸 Maximum dimensions (mm): W max = W+0.2

Cap. (μF) | **标准单位 (Size unit): mm**

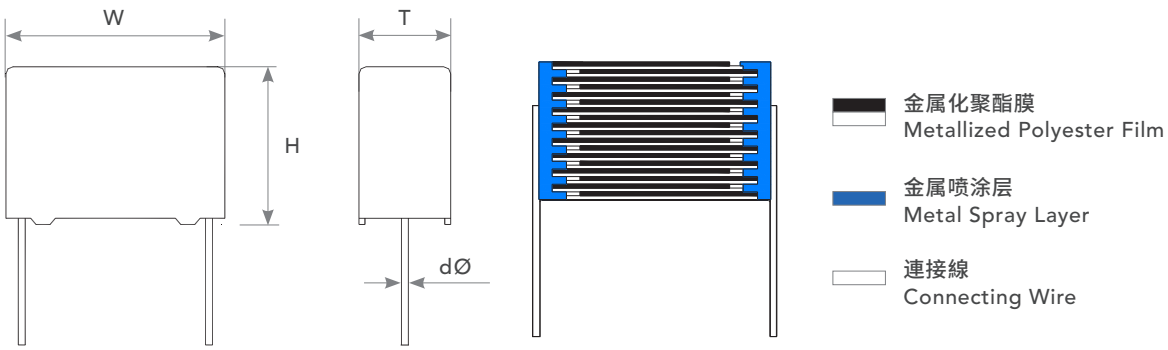
R.V.	630VDC / 220VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.01	13	8	5	10	0.6	MFF–103*0630DB*10*
0.012	13	8.5	5	10	0.6	MFF–123*0630DB*10*
0.015	13	9.5	5.5	10	0.6	MFF–153*0630DB*10*
0.018	13	11	5.5	10	0.6	MFF–183*0630DB*10*
0.022	13	11.5	6	10	0.6	MFF–223*0630DB*10*
0.027	13	12	6.5	10	0.6	MFF–273*0630DB*10*
0.033	13	12.5	7	10	0.6	MFF–333*0630DB*10*
0.039	13	14	7	10	0.6	MFF–393*0630DB*10*
0.047	13	15	7.5	10	0.6	MFF–473*0630DB*10*
0.056	18.5	11	5.5	15	0.8	MFF–563*0630DB*15*
0.068	18.5	11.5	6	15	0.8	MFF–683*0630DB*15*
0.082	18.5	12	6.5	15	0.8	MFF–823*0630DB*15*
0.1	18.5	13	7	15	0.8	MFF–104*0630DB*15*
0.12	18.5	14.5	7	15	0.8	MFF–124*0630DB*15*
0.15	18.5	15.5	8	15	0.8	MFF–154*0630DB*15*

R.V.	630VDC / 220VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.18	18.5	16	8.5	15	0.8	MFF–184*0630DB*15*
0.22	18.5	16.5	9	15	0.8	MFF–224*0630DB*15*
0.27	26	16.5	7.5	22.5	0.8	MFF–274*0630DB*22*
0.33	26	17	8.5	22.5	0.8	MFF–334*0630DB*22*
0.39	26	18	9	22.5	0.8	MFF–394*0630DB*22*
0.47	26	19	10	22.5	0.8	MFF–474*0630DB*22*
0.56	26	20	11	22.5	0.8	MFF–564*0630DB*22*
0.68	26	21.5	12.5	22.5	0.8	MFF–684*0630DB*22*
0.82	31	21	12	27.5	0.8	MFF–824*0630DB*27*
1.0	31	22	13.5	27.5	0.8	MFF–105*0630DB*27*
1.2	31	23.5	15	27.5	0.8	MFF–125*0630DB*27*
1.5	31	26.5	16	27.5	0.8	MFF–155*0630DB*27*
1.8	31	28	18	27.5	0.8	MFF–185*0630DB*27*
2.2	31	30.5	20	27.5	0.8	MFF–225*0630DB*27*

＊ 最大尺寸 Maximum dimensions (mm): W max = W+0.2

金属化聚酯薄膜电容器(MEB)
METALLIZED POLYESTER FILM CAPACITOR–RADIAL (MEB)

MEB



结构 Construction:

- 电介质: 金属化聚酯薄膜
  Dielectric: Metallized Polyester Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡线
  Leads: Tinned Wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 良好的自愈性
  Self–healing property
- 廣泛的額定電壓
  Wide rated voltage range
- 广泛的额定容量
  Wide rated capacitance range
- 超小型尺寸
  Ultra–miniature size
- 适用于自动插件
  Available for wire automatic insertion range

推荐应用 Recommended Application:

- 标准用法
  General purpose usage
- 耦合、旁路、滤波、定时
  Blocking, by-passing, filtering, timing
- 日光灯、HID灯镇流器
  Fluorescent lamp, HID lamp ballast
- 空调、风扇、启动马达及其他工业设备
  Air conditioner, Fan, Motor running & Other industrial equipment

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–2
额定电压 Rated Voltage	100VDC, 250VDC, 400VDC, 630VDC
额定温度 Rated Temperature	–40°C ~ +85°C
最大运行温度 Usable Upper Category Temperature	+110°C (Derating ratio of rated voltage to +85°C ~ +110°C: 1.25% per °C for Rated Voltage)
容量范围 Capacitance Range	0.01μF ~ 10μF
容量误差 Capacitance Tolerance	±2% (G), ±5% (J), ±10% (K)
损耗角正切 Dissipation Factor	1.0 % (max.) at 1KHz | 1.5 % (max.) at 10KHz
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at 20°C±5°C), Voltage charge: 100VDC × 1 minute ≥9000MΩ for C≦0.33μF ≥3000MΩ×μF for C＞0.33μF

耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C) 1.6 × V_R applied for 2sec. (cut off current 10mA)					
额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	7.5 mm	10 mm	15 mm	22.5 mm	27.5 mm
	100VDC	35	30	20	10	5
	250VDC	80	110	45	20	15
	400VDC	190	160	65	30	25
	630VDC	-----	200	90	35	30

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	100VDC / 63VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.1	10	9	4	7.5	0.6	MEB–104*0100DB*07*
0.12	10	9	4	7.5	0.6	MEB–124*0100DB*07*
0.15	10	9	4	7.5	0.6	MEB–154*0100DB*07*
0.18	10	9	4	7.5	0.6	MEB–184*0100DB*07*
0.22	10	9	4	7.5	0.6	MEB–224*0100DB*07*
0.27	10	11	5	7.5	0.6	MEB–274*0100DB*07*
0.33	10	11	5	7.5	0.6	MEB–334*0100DB*07*
0.39	10	11	5	7.5	0.6	MEB–394*0100DB*07*
0.47	10	12	6	7.5	0.6	MEB–474*0100DB*07*
0.56	13	11	5	10	0.6	MEB–564*0100DB*10*
0.68	13	11	5	10	0.6	MEB–684*0100DB*10*
0.82	13	12	6	10	0.6	MEB–824*0100DB*10*
1.0	13	12	6	10	0.6	MEB–105*0100DB*10*
1.2	18	12	6	15	0.8	MEB–125*0100DB*15*
1.5	18	12.5	6	15	0.8	MEB–155*0100DB*15*
1.8	18	13.5	7.5	15	0.8	MEB–185*0100DB*15*
2.2	18	14	7.5	15	0.8	MEB–225*0100DB*15*
2.7	18	15	9	15	0.8	MEB–275*0100DB*15*
3.3	18	16	10	15	0.8	MEB–335*0100DB*15*
3.9	26	16	6	22.5	0.8	MEB–395*0100DB*22*

R.V.	100VDC / 63VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
4.7	26	17	8.5	22.5	0.8	MEB–475*0100DB*22*
5.6	26	18.5	7	22.5	0.8	MEB–565*0100DB*22*
6.8	26	19	10	22.5	0.8	MEB–685*0100DB*22*
8.2	26	20	10	22.5	0.8	MEB–825*0100DB*22*
10.0	26	22	12	22.5	0.8	MEB–106*0100DB*22*

Cap. (μF) | 标准单位 (Size unit): mm

R.V.	250VDC / 160VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.039	10	9	4	7.5	0.6	MEB–393*0250DB*07*
0.047	10	9	4	7.5	0.6	MEB–473*0250DB*07*
0.056	10	9	4	7.5	0.6	MEB–563*0250DB*07*
0.068	10	9	4	7.5	0.6	MEB–683*0250DB*07*
0.082	10	11	5	7.5	0.6	MEB–823*0250DB*07*
0.1	10	11	5	7.5	0.6	MEB–104*0250DB*07*
0.12	10	11	5	7.5	0.6	MEB–124*0250DB*07*
0.15	10	12	6	7.5	0.6	MEB–154*0250DB*07*
0.18	13	10	5	10	0.6	MEB–184*0250DB*10*
0.22	13	11	5	10	0.6	MEB–224*0250DB*10*
0.27	13	11	5	10	0.6	MEB–274*0250DB*10*
0.33	13	12	6	10	0.6	MEB–334*0250DB*10*
0.39	18	11	5	15	0.8	MEB–394*0250DB*15*
0.47	18	12	6	15	0.8	MEB–474*0250DB*15*
0.56	18	12	6	15	0.8	MEB–564*0250DB*15*
0.68	18	13.5	7.5	15	0.8	MEB–684*0250DB*15*
0.82	18	13.5	7.5	15	0.8	MEB–824*0250DB*15*
1.0	18	14.5	8.5	15	0.8	MEB–105*0250DB*15*
1.2	18	15	9	15	0.8	MEB–125*0250DB*15*
1.5	18	17.5	8.5	15	0.8	MEB–155*0250DB*15*
1.8	26	16	7	22.5	0.8	MEB–185*0250DB*22*
2.2	26	17	8.5	22.5	0.8	MEB–225*0250DB*22*
2.7	26	19	10	22.5	0.8	MEB–275*0250DB*22*

R.V.	250VDC / 160VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
3.3	26	19	10	22.5	0.8	MEB–335*0250DB*22*
3.9	26	20	11	22.5	0.8	MEB–395*0250DB*22*
4.7	26	22	12	22.5	0.8	MEB–475*0250DB*22*
5.6	31	22	13	27.5	0.8	MEB–565*0250DB*27*
6.8	31	23.5	14	27.5	0.8	MEB–685*0250DB*27*
8.2	31	25	14	27.5	0.8	MEB–825*0250DB*27*
10.0	31	28	18	27.5	0.8	MEB–106*0250DB*27*

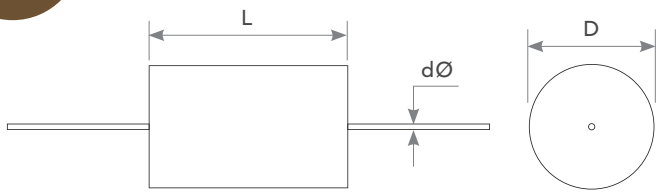
Cap. (μF) | 标准单位 (Size unit): mm

R.V.	400VDC / 200VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.015	10	9	4	7.5	0.6	MEB–153*0400DB*07*
0.018	10	9	4	7.5	0.6	MEB–183*0400DB*07*
0.022	10	9	4	7.5	0.6	MEB–223*0400DB*07*
0.027	10	11	5	7.5	0.6	MEB–273*0400DB*07*
0.033	10	11	5	7.5	0.6	MEB–333*0400DB*07*
0.039	13	9	4	10	0.6	MEB–393*0400DB*10*
0.047	13	11	5	10	0.6	MEB–473*0400DB*10*
0.056	13	11	5	10	0.6	MEB–563*0400DB*10*
0.068	13	11	5	10	0.6	MEB–683*0400DB*10*
0.082	13	12	6	10	0.6	MEB–823*0400DB*10*
0.1	13	12	7	10	0.6	MEB–104*0400DB*10*
0.12	18	11	5	15	0.8	MEB–124*0400DB*15*
0.15	18	11	5	15	0.8	MEB–154*0400DB*15*
0.18	18	12	6	15	0.8	MEB–184*0400DB*15*
0.22	18	13.5	7.5	15	0.8	MEB–224*0400DB*15*
0.27	18	13.5	7.5	15	0.8	MEB–274*0400DB*15*
0.33	18	14.5	8.5	15	0.8	MEB–334*0400DB*15*
0.39	18	15	9	15	0.8	MEB–394*0400DB*15*
0.47	18	17.5	8.5	15	0.8	MEB–474*0400DB*15*
0.56	26	16.5	7	22.5	0.8	MEB–564*0400DB*22*
0.68	26	17	8.5	22.5	0.8	MEB–684*0400DB*22*
0.82	26	19	10	22.5	0.8	MEB–824*0400DB*22*
1.0	26	19	10	22.5	0.8	MEB–105*0400DB*22*
1.2	26	20	11	22.5	0.8	MEB–125*0400DB*22*
1.5	31	20	11	27.5	0.8	MEB–155*0400DB*27*
1.8	31	22	13	27.5	0.8	MEB–185*0400DB*27*
2.2	31	23.5	14	27.5	0.8	MEB–225*0400DB*27*

R.V.	630VDC / 220VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.01	13	9	4	10	0.6	MEB–103*0630DB*10*
0.012	13	9	4	10	0.6	MEB–123*0630DB*10*
0.015	13	11	5	10	0.6	MEB–153*0630DB*10*
0.018	13	11	5	10	0.6	MEB–183*0630DB*10*
0.022	13	12	6	10	0.6	MEB–223*0630DB*10*
0.027	13	12	6	10	0.6	MEB–273*0630DB*10*
0.033	13	13	7	10	0.6	MEB–333*0630DB*10*
0.039	13	14	8	10	0.6	MEB–393*0630DB*10*
0.047	13	15	8	10	0.6	MEB–473*0630DB*10*
0.056	18	11	5	15	0.8	MEB–563*0630DB*15*
0.068	18	12	6	15	0.8	MEB–683*0630DB*15*
0.082	18	12	6	15	0.8	MEB–823*0630DB*15*
0.1	18	13.5	7.5	15	0.8	MEB–104*0630DB*15*
0.12	18	14.5	8.5	15	0.8	MEB–124*0630DB*15*
0.15	18	14.5	8.5	15	0.8	MEB–154*0630DB*15*
0.18	18	16.5	10	15	0.8	MEB–184*0630DB*15*
0.22	18	18	10	15	0.8	MEB–224*0630DB*15*
0.27	26	17	8	22.5	0.8	MEB–274*0630DB*22*
0.33	26	18	9	22.5	0.8	MEB–334*0630DB*22*
0.39	26	19	10	22.5	0.8	MEB–394*0630DB*22*
0.47	26	19	10	22.5	0.8	MEB–474*0630DB*22*
0.56	26	20	11	22.5	0.8	MEB–564*0630DB*22*
0.68	26	21.5	12	22.5	0.8	MEB–684*0630DB*22*
0.82	31	22	13	27.5	0.8	MEB–824*0630DB*27*
1.0	31	22	13	27.5	0.8	MEB–105*0630DB*27*
1.2	31	25	14	27.5	0.8	MEB–125*0630DB*27*
1.5	31	26	18	27.5	0.8	MEB–155*0630DB*27*
1.8	31	31	22	27.5	0.8	MEB–185*0630DB*27*
2.2	31	31	22	27.5	0.8	MEB–225*0630DB*27*

金属化聚酯薄膜电容器–轴向(MET)
METALLIZED POLYESTER FILM CAPACITOR–AXIAL (MET)

MET





金属化聚酯膜
Metallized Polyester Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚酯薄膜
  Dielectric: Metallized Polyester Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡线
  Leads: Tinned Wire
- 外部涂层: 绝缘胶带包裹，环氧树脂端部填充
  Outer Coating: Insulating tape wrapping and epoxy resin end filled

特点 Feature:

- 良好的自愈性
  Self–healing property
- 高稳定的容量
  High stability of capacitance
- 良好的可靠性
  High reliability

推荐应用 Recommended Application:

- 耦合、旁路、滤波、定时电路
  Blocking, by–passing, filtering, timing circuits
- 专业电子测试设备
  Professional electronics testing equipment
- 电通信与资料处理
  Telecommunications and data processing
- 自动控制系统设备
  Automatic control system equipment
- 工业仪器
  Industrial instruments

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–2
额定电压 Rated Voltage	100VDC, 250VDC, 400VDC, 630VDC
额定温度 Rated Temperature	–40°C ~ +85°C
最大运行温度 Usable Upper Category Temperature	+110°C (Derating ratio of rated voltage to +85°C ~ +110°C: 1.25% per °C for Rated Voltage)
容量范围 Capacitance Range	0.15μF ~ 10μF
容量误差 Capacitance Tolerance	±2% (G), ±5% (J), ±10% (K)
损耗角正切 Dissipation Factor	1.0 % (max.) at 1KHz | 1.5 % (max.) at 10KHz
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at 20°C±5°C), Voltage charge: 100VDC × 1 minute VR≦100VDC: ≥10000MΩ for C≦0.33μF, ≥1000MΩ×μF for C＞0.33μF VR＞100VDC: ≥30000MΩ for C≦0.33μF, ≥10000MΩ×μF for C＞0.33μF
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C) 1.6 × VR applied for 2sec. (cut off current 10mA)

額定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Length / V_R	≦14 mm	19 mm	27 mm	33 mm	38 mm
	100VDC	6	3	2	1.5	1
	250VDC	10	7	4	2.5	2
	400VDC	14	10	6.5	4	3
	630VDC	20	15	10	6	4

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	100VDC / 63VAC			
Size / Cap (μF)	L	D	dØ±0.05	料号 Part Number
1.0	19	10	0.8	MET–105*0100DB0000
1.5	27	11	0.8	MET–155*0100DB0000
2.2	27	12	0.8	MET–225*0100DB0000
3.3	27	14	0.8	MET–335*0100DB0000
4.7	33	14.5	0.8	MET–475*0100DB0000
6.8	33	17	0.8	MET–685*0100DB0000
10	33	20	0.8	MET–106*0100DB0000

R.V.	250VDC / 160VAC			
Size / Cap (μF)	L	D	dØ±0.05	料号 Part Number
0.68	27	10	0.8	MET–684*0250DB0000
1.0	27	11.5	0.8	MET–105*0250DB0000
1.5	27	11.5	0.8	MET–155*0250DB0000
2.2	33	14	0.8	MET–225*0250DB0000
3.3	33	16	0.8	MET–335*0250DB0000
4.7	38	20	0.8	MET–475*0250DB0000
6.8	38	24	0.8	MET–685*0250DB0000
10	48	23	0.8	MET–106*0250DB0000

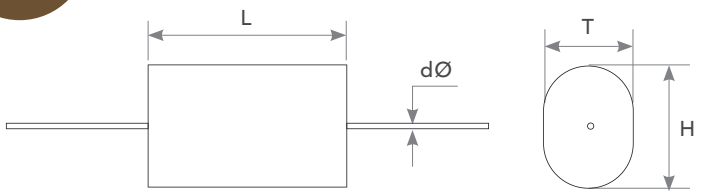
R.V.	400VDC / 200VAC			
Size / Cap (μF)	L	D	dØ±0.05	料号 Part Number
0.33	27	10	0.8	MET–334*0400DB0000
0.47	27	12.5	0.8	MET–474*0400DB0000
0.68	33	12.5	0.8	MET–684*0400DB0000
1.0	33	14.5	0.8	MET–105*0400DB0000
1.5	33	17.5	0.8	MET–155*0400DB0000
2.2	38	20	0.8	MET–225*0400DB0000
3.3	38	27	0.8	MET–335*0400DB0000
4.7	38	30	0.8	MET–475*0400DB0000

R.V.	630VDC / 220VAC			
Size / Cap (μF)	L	D	dØ±0.05	料号 Part Number
0.15	27	10.5	0.8	MET–154*0630DB0000
0.22	27	11.5	0.8	MET–224*0630DB0000
0.33	33	13	0.8	MET–334*0630DB0000
0.47	33	14	0.8	MET–474*0630DB0000
0.68	33	17.5	0.8	MET–684*0630DB0000
1.0	38	21	0.8	MET–105*0630DB0000
1.5	38	25	0.8	MET–155*0630DB0000
2.2	38	28	0.8	MET–225*0630DB0000

＊ 最大尺寸 Maximum dimensions (mm): L max = L+0.5 , D max = D+0.5

金属化聚酯薄膜电容器–轴向(MEA)
METALLIZED POLYESTER FILM CAPACITOR–AXIAL FLAT (MEA)

MEA





金属化聚酯膜
Metallized Polyester Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚酯薄膜
  Dielectric: Metallized Polyester Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡线
  Leads: Tinned Wire
- 外部涂层: 绝缘胶带包裹，环氧树脂端部填充
  Outer Coating: Insulating tape wrapping and epoxy resin end filled

特点 Feature:

- 良好的自愈性
  Self–healing property
- 高稳定的容量
  High stability of capacitance
- 良好的可靠性
  High reliability

推荐应用 Recommended Application:

- 耦合、旁路、滤波、定时电路
  Blocking, by–passing, filtering, timing circuits
- 专业电子测试设备
  Professional electronics testing equipment
- 电通信与资料处理
  Telecommunications and data processing
- 自动控制系统设备
  Automatic control system equipment
- 工业仪器
  Industrial instruments

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–2
额定电压 Rated Voltage	100VDC, 250VDC, 400VDC, 630VDC
额定温度 Rated Temperature	–40°C ~ +85°C
最大运行温度 Usable Upper Category Temperature	+110°C (Derating ratio of rated voltage to +85°C ~ +110°C: 1.25% per °C for Rated Voltage)
容量范围 Capacitance Range	0.1μF ~ 10μF
容量误差 Capacitance Tolerance	±2% (G), ±5% (J), ±10% (K)
损耗角正切 Dissipation Factor	1.0 % (max.) at 1KHz | 1.5 % (max.) at 10KHz
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at 20°C±5°C), Voltage charge: 100VDC × 1 minute VR≦100VDC: ≥10000MΩ for C≦0.33μF, ≥1000MΩ×μF for C＞0.33μF VR＞100VDC: ≥30000MΩ for C≦0.33μF, ≥10000MΩ×μF for C＞0.33μF
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C) 1.6 × VR applied for 2sec. (cut off current 10mA)

額定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Length / V_R	≦14 mm	19 mm	27 mm	33 mm	38 mm
	100VDC	6	3	2	1.5	1
	250VDC	10	7	4	2.5	2
	400VDC	14	10	6.5	4	3
	630VDC	20	15	10	6	4

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	100VDC / 63VAC				
Size / Cap (μF)	L	H	T	dØ±0.05	料号 Part Number
2.2	27	14	8	0.6	MEA–225*0100DB0000
3.3	27	16	10	0.8	MEA–335*0100DB0000
4.7	33	18	10.5	0.8	MEA–475*0100DB0000
6.8	33	20	12	0.8	MEA–685*0100DB0000
10	33	23.5	15	0.8	MEA–106*0100DB0000

R.V.	250VDC / 160VAC				
Size / Cap (μF)	L	H	T	dØ	料号 Part Number
1.0	27	13	8	0.6	MEA–105*0250DB0000
1.5	33	15	8.5	0.8	MEA–155*0250DB0000
2.2	33	17.5	9.5	0.8	MEA–225*0250DB0000
3.3	33	21	12.5	0.8	MEA–335*0250DB0000
4.7	38	21	12	0.8	MEA–475*0250DB0000
6.8	38	26	13	0.8	MEA–685*0250DB0000
10	48	30	18	0.8	MEA–106*0250DB0000

Cap. (μF) | **标准单位 (Size unit): mm**

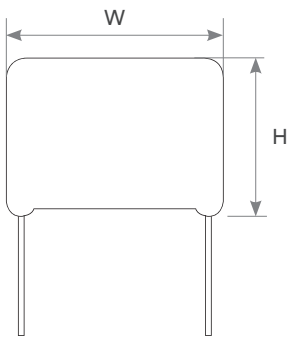
R.V.	400VDC / 200VAC				
Size / Cap (μF)	L	H	T	dØ±0.05	料号 Part Number
0.33	27	13	7.5	0.6	MEA–334*0400DB0000
0.47	27	17	8.5	0.8	MEA–474*0400DB0000
0.68	33	16.5	8.5	0.8	MEA–684*0400DB0000
1.0	33	19	9	0.8	MEA–105*0400DB0000
1.5	38	20	13	0.8	MEA–155*0400DB0000
2.2	44	24	16	0.8	MEA–225*0400DB0000
3.3	44	26	16	0.8	MEA–335*0400DB0000
4.7	48	28	18	0.8	MEA–475*0400DB0000

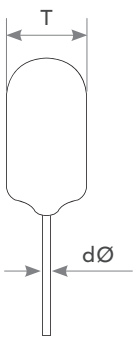
R.V.	630VDC / 220VAC				
Size / Cap (μF)	L	H	T	dØ	料号 Part Number
0.1	19	12	8	0.6	MEA–104*0630DB0000
0.15	27	14	8	0.6	MEA–154*0630DB0000
0.22	27	15	9	0.8	MEA–224*0630DB0000
0.33	33	15	10	0.8	MEA–334*0630DB0000
0.47	33	19	11.5	0.8	MEA–474*0630DB0000
0.68	38	20	13	0.8	MEA–684*0630DB0000
1.0	38	23	16	0.8	MEA–105*0630DB0000
1.5	38	28	20	0.8	MEA–155*0630DB0000
2.2	38	30	22	0.8	MEA–225*0630DB0000

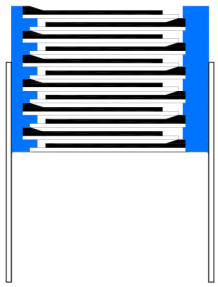
＊ 最大尺寸 Maximum dimensions (mm): L max = L+0.5 , H max = H+0.5 , T max = T+0.5

金属化聚酯薄膜电容器(MFTD)
METALLIZED POLYESTER FILM CAPACITOR–RADIAL (MFTD)

MFTD







金属化聚酯膜
Metallized Polyester Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚酯薄膜
  Dielectric: Metallized Polyester Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡线
  Leads: Tinned Wire
- 外部涂层: 阻燃环氧树脂
  Outer Coating: Flame retarding epoxy resin

特点 Feature:

- 良好的自愈性
  Self–healing property
- 安全薄膜结构
  Safe–film construction
- 材料符合ROHS
  Materials conform to ROHS
- 小型化
  Ultra–miniature size

推荐应用 Recommended Application:

- 功率因素校正(PFC)使用
  Power factor correction(PFC)usage

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–2
额定电压 Rated Voltage	450VDC, 630VDC
额定温度 Rated Temperature	–40°C ~ +85°C
最大运行温度 Usable Upper Category Temperature	+110°C (Derating ratio of rated voltage to +85°C ~ +110°C: 1.5% per °C for Rated Voltage)
容量范围 Capacitance Range	0.033μF ~ 3.3μF
容量误差 Capacitance Tolerance	±5% (J), ±10% (K)
损耗角正切 Dissipation Factor	1.0 % (max.) at 1KHz | 1.6 % (max.) at 10KHz
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at 20°C±5°C), Voltage charge: 100VDC × 1 minute ≥9000MΩ for C≦0.33μF ≥3000MΩ×μF for C＞0.33μF
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C) 1.6 × V_R applied for 2sec. (cut off current 10mA)

額定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	10 mm	15 mm	22.5 mm
	450VDC	110	45	20
	630VDC	160	65	30

Cap. (μF) | **标准单位 (Size unit): mm**

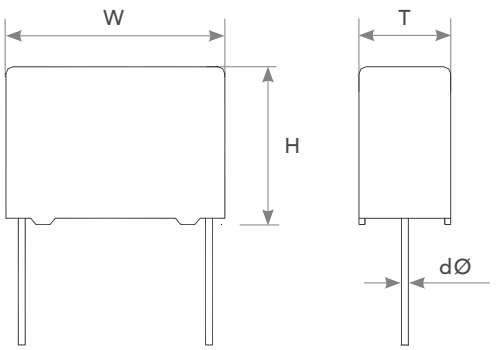
R.V.	450VDC / 200VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.047	12.5	8.5	4	10	0.6	MFTD473*0450DB*10*
0.068	12.5	8.5	4	10	0.6	MFTD683*0450DB*10*
0.1	12.5	8.5	4	10	0.6	MFTD104*0450DB*10*
0.15	12.5	9.5	4.5	10	0.6	MFTD154*0450DB*10*
0.22	12.5	12	6.5	10	0.6	MFTD224*0450DB*10*
0.33	12.5	12	6.5	10	0.6	MFTD334*0450DB*10*
0.47	12.5	15.5	6.5	10	0.6	MFTD474*0450DB*10*
0.68	12.5	17	8	10	0.6	MFTD684*0450DB*10*
1.0	12.5	19	10	10	0.6	MFTD105*0450DB*10*
1.5	13	22.5	12.5	10	0.6	MFTD155*0450DB*10*
0.1	18	11	5	15	0.8	MFTD104*0450DB*15*
0.22	18	11	5	15	0.8	MFTD224*0450DB*15*
0.33	18	11	5	15	0.8	MFTD334*0450DB*15*
0.47	18	13	5.5	15	0.8	MFTD474*0450DB*15*
0.68	18	15.5	5.5	15	0.8	MFTD684*0450DB*15*
1.0	18	17	7.5	15	0.8	MFTD105*0450DB*15*
1.5	18	18.5	8.5	15	0.8	MFTD155*0450DB*15*
1.0	26	16	7	22.5	0.8	MFTD105*0450DB*22*
1.5	26	17.5	7	22.5	0.8	MFTD155*0450DB*22*
2.2	26	19	9	22.5	0.8	MFTD225*0450DB*22*
3.3	26	23.5	13	22.5	0.8	MFTD335*0450DB*22*

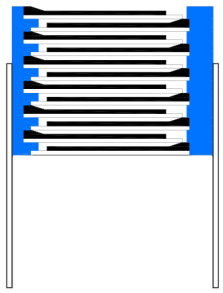
R.V.	630VDC / 220VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.033	12.5	10.5	4.5	10	0.6	MFTD333*0630DB*10*
0.047	12.5	13	5	10	0.6	MFTD473*0630DB*10*
0.068	13	13	6	10	0.6	MFTD683*0630DB*10*
0.1	12.5	16	6	10	0.6	MFTD104*0630DB*10*
0.047	18	11	5	15	0.8	MFTD473*0630DB*15*
0.068	18	11	5	15	0.8	MFTD683*0630DB*15*
0.1	18	11	5	15	0.8	MFTD104*0630DB*15*
0.22	18	14	7	15	0.8	MFTD224*0630DB*15*
0.33	18	15.5	8	15	0.8	MFTD334*0630DB*15*
0.47	18	17.5	9	15	0.8	MFTD474*0630DB*15*
0.68	26	17.5	8.5	22.5	0.8	MFTD684*0630DB*22*
1.0	26	20.5	9.5	22.5	0.8	MFTD105*0630DB*22*
1.5	26	23	12.5	22.5	0.8	MFTD155*0630DB*22*
2.2	26	26	16	22.5	0.8	MFTD225*0630DB*22*

＊ 最大尺寸 Maximum dimensions (mm): W max = W+0.2

金属化聚酯薄膜电容器(MFTB)
METALLIZED POLYESTER FILM CAPACITOR–RADIAL (MFTB)

MFTB





金属化聚酯膜
Metallized Polyester Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚酯薄膜
  Dielectric: Metallized Polyester Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡线
  Leads: Tinned Wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 良好的自愈性
  Self–healing property
- 安全薄膜结构
  Safe–film construction
- 材料符合ROHS
  Materials conform to ROHS
- 小型化
  Ultra–miniature size

推荐应用 Recommended Application:

- 功率因素校正(PFC)使用
  Power factor correction(PFC)usage

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384-2
额定电压 Rated Voltage	450VDC, 630VDC
额定温度 Rated Temperature	–40°C ~ +85°C
最大运行温度 Usable Upper Category Temperature	+110°C (Derating ratio of rated voltage to +85°C ~ +110°C: 1.5% per °C for Rated Voltage)
容量范围 Capacitance Range	0.022μF ~ 2.2μF
容量误差 Capacitance Tolerance	±5% (J), ±10% (K)
损耗角正切 Dissipation Factor	1.0 % (max.) at 1KHz | 1.6 % (max.) at 10KHz
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at 20°C±5°C), Voltage charge: 100VDC × 1 minute ≥9000MΩ for C≦0.33μF ≥3000MΩ×μF for C＞0.33μF
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C) 1.6 × V_R applied for 2sec. (cut off current 10mA)

額定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	10 mm	15 mm	22.5 mm
	450VDC	110	45	20
	630VDC	160	65	30

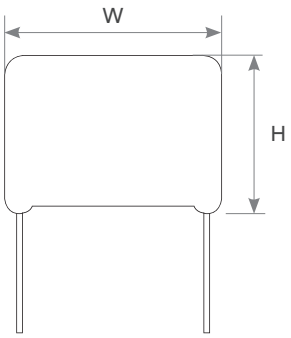
Cap. (μF) | **标准单位 (Size unit): mm**

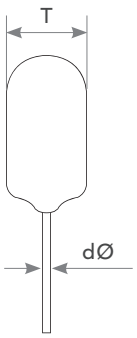
R.V.	450VDC / 200VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.1	13	9	4	10	0.6	MFTB104*0450DB*10*
0.15	13	10	5	10	0.6	MFTB154*0450DB*10*
0.18	13	11	5	10	0.6	MFTB184*0450DB*10*
0.22	13	12	6	10	0.6	MFTB224*0450DB*10*
0.33	13	13	7	10	0.6	MFTB334*0450DB*10*
0.1	18	11	5	15	0.8	MFTB104*0450DB*15*
0.22	18	11	5	15	0.8	MFTB224*0450DB*15*
0.33	18	11	5	15	0.8	MFTB334*0450DB*15*
0.47	18	12	6	15	0.8	MFTB474*0450DB*15*
0.56	18	13	7	15	0.8	MFTB564*0450DB*15*
0.68	18	13.5	7.5	15	0.8	MFTB684*0450DB*15*
1.0	18	17.5	7.5	15	0.8	MFTB105*0450DB*15*
1.5	18	18	10	15	0.8	MFTB155*0450DB*15*
1.5	26	18.5	8.5	22.5	0.8	MFTB155*0450DB*22*
2.2	26	20	11	22.5	0.8	MFTB225*0450DB*22*

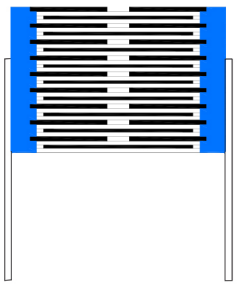
R.V.	630VDC / 220VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.022	13	9	4	10	0.6	MFTB223*0630DB*10*
0.033	13	9	4.5	10	0.6	MFTB333*0630DB*10*
0.047	13	11	5	10	0.6	MFTB473*0630DB*10*
0.068	13	12	6	10	0.6	MFTB683*0630DB*10*
0.1	13	12	7	10	0.6	MFTB104*0630DB*10*
0.1	18	11	5	15	0.8	MFTB104*0630DB*15*
0.15	18	12	6	15	0.8	MFTB154*0630DB*15*
0.22	18	13	7	15	0.8	MFTB224*0630DB*15*
0.33	18	15.5	8	15	0.8	MFTB334*0630DB*15*
0.47	18	18	10	15	0.8	MFTB474*0630DB*15*
0.68	18	21	12	15	0.8	MFTB684*0630DB*15*
0.47	26	15	7.5	22.5	0.8	MFTB474*0630DB*22*
0.68	26	18.5	8.5	22.5	0.8	MFTB684*0630DB*22*
1	26	21	10	22.5	0.8	MFTB105*0630DB*22*
1.5	26	24	13.5	22.5	0.8	MFTB155*0630DB*22*

金属化聚丙烯薄膜电容器(PPSH)
METALLIZED POLYPROPYLENE FILM CAPACITOR–RADIAL (PPSH)

PPSH







铝箔
Aluminium Foil

聚丙烯薄膜
Polypropylene Film

金属化聚丙烯薄膜
Metallized Polypropylene Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 聚丙烯薄膜
  Dielectric: Polypropylene Film
- 电极: 铝箔&铝金属化
  Electrodes: Aluminum Foil &Aluminum Metallization
- 绕卷: 无感式&内部串联系列
  Winding: non–inductive type & internally connected series
- 导线: 镀锡线
  Leads: Tinned Wire

  外部涂层: 阻燃环氧树脂
  Outer Coating: Flame retarding epoxy resin

特点 Feature:

- 高频下低损耗
  Low Dissipation Factor at high frequency
- 紧密容限
  Tight capacitance tolerance
- 高绝缘阻抗
  High insulation resistance
- 非常高的脉冲强度
  Very high pulse strength
- 良好的自愈性
  Self–healing property

推荐应用 Recommended Application:

- 主要用于电视机&显示器反激式调谐
  Typical for Fly–back tuning in TV–set & Monitor
- 电子镇流器电路
  Electronic ballast circuits
- 开关电源电路
  Switching power supply circuits
- 高脉冲载入应用
  High pulse load applications
- 高频率&高电流应用
  For high frequency & high current application

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–13			
额定电压 Rated Voltage	800VH, 1000VH, 1200VH for Fly–back tuning (800VDC), (1000VDC), (1200VDC)			
额定温度 Rated Temperature	–40°C ~ +85°C			
最大运行温度 Usable Upper Category Temperature	+110°C	(Derating ratio of rated voltage to +85°C ~ +110°C: 1.5% per °C for Rated Voltage)		
容量范围 Capacitance Range	0.001 μF ~ 0.1 μF			
容量误差 Capacitance Tolerance	±3% (H), ±5% (J), ±10% (K)			
损耗角正切 Dissipation Factor	KHz	C≦0.1μF	0.1μF＜C≦1μF	C＞1.0μF
	1	≦0.05 %	≦0.05 %	≦0.05 %
	100	≦0.15 %		

绝缘电阻 Insulation Resistance	Terminal to Terminal: (at20°C± 5°C), Voltage charge time : 1 minute. Voltage charge : 500VDC. ≥30000MΩ for C ≦0.1μF			
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C) 1.6 × V_R applied for 2sec. (cut off current 10mA)			
额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	V_R \ Pitch	15 mm	17.5 mm	20 mm
	800VDC	20000	14000	9000
	1000VDC	28000	--------	11000
	1200VDC	30000	--------	12000

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	800VH					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.01	18.0	10.5	5.5	15	0.8	PPSH103*0800HB*15*
0.012	18.0	11	5.5	15	0.8	PPSH123*0800HB*15*
0.015	18.0	11	5.5	15	0.8	PPSH153*0800HB*15*
0.018	18.0	11.5	6	15	0.8	PPSH183*0800HB*15*
0.022	18.0	12	6.5	15	0.8	PPSH223*0800HB*15*
0.027	18.0	14	7	15	0.8	PPSH273*0800HB*15*
0.033	18.0	14.5	7.5	15	0.8	PPSH333*0800HB*15*
0.036	18.0	15	8	15	0.8	PPSH363*0800HB*15*
0.039	18.0	15.5	8.5	15	0.8	PPSH393*0800HB*15*
0.043	18.0	16	9	15	0.8	PPSH433*0800HB*15*
0.047	18.0	16.5	9.5	15	0.8	PPSH473*0800HB*15*
0.047	20.5	15.5	8	17.5	0.8	PPSH473*0800HB*17*
0.056	20.5	16	9	17.5	0.8	PPSH563*0800HB*17*
0.068	20.5	17	10	17.5	0.8	PPSH683*0800HB*17*
0.082	20.5	18	11.5	17.5	0.8	PPSH823*0800HB*17*
0.033	23	13.5	6	20	0.8	PPSH333*0800HB*20*
0.036	23	13.5	6.5	20	0.8	PPSH363*0800HB*20*
0.039	23	13.5	6.5	20	0.8	PPSH393*0800HB*20*
0.043	23	14	7	20	0.8	PPSH433*0800HB*20*
0.047	23	14.5	7.5	20	0.8	PPSH473*0800HB*20*

R.V.	800VH					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.056	23	15.5	8	20	0.8	PPSH563*0800HB*20*
0.068	23	18	8	20	0.8	PPSH683*0800HB*20*
0.082	23	19	9	20	0.8	PPSH823*0800HB*20*
0.1	23	20	10	20	0.8	PPSH104*0800HB*20*

＊ 最大尺寸 Maximum dimensions (mm): W max = W+0.2

Cap. (μF) | 标准单位 (Size unit): mm

R.V.	1000 VH					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.001	18	10	5	15	0.8	PPSH102*1000HB*15*
0.0012	18	10	5	15	0.8	PPSH122*1000HB*15*
0.0015	18	10	5	15	0.8	PPSH152*1000HB*15*
0.0018	18	10	5.5	15	0.8	PPSH182*1000HB*15*
0.0022	18	10.5	5.5	15	0.8	PPSH222*1000HB*15*
0.0027	18	10.5	5.5	15	0.8	PPSH272*1000HB*15*
0.003	18	10.5	5.5	15	0.8	PPSH302*1000HB*15*
0.0033	18	10.5	5.5	15	0.8	PPSH332*1000HB*15*
0.0036	18	10.5	5.5	15	0.8	PPSH362*1000HB*15*
0.0039	18	10.5	5.5	15	0.8	PPSH392*1000HB*15*
0.0047	18	10.5	5.5	15	0.8	PPSH472*1000HB*15*
0.0056	18	10.5	5.5	15	0.8	PPSH562*1000HB*15*
0.0068	18	10.5	5.5	15	0.8	PPSH682*1000HB*15*
0.0082	18	12	6	15	0.8	PPSH822*1000HB*15*
0.01	18	12	6.5	15	0.8	PPSH103*1000HB*15*
0.012	18	12.5	7	15	0.8	PPSH123*1000HB*15*
0.015	18	13.5	7	15	0.8	PPSH153*1000HB*15*
0.018	18	14	7.5	15	0.8	PPSH183*1000HB*15*
0.022	18	14	8.5	15	0.8	PPSH223*1000HB*15*
0.027	18	15.5	9.5	15	0.8	PPSH273*1000HB*15*
0.033	18	15.5	10	15	0.8	PPSH333*1000HB*15*
0.036	18	16	10.5	15	0.8	PPSH363*1000HB*15*
0.039	18	16.5	11	15	0.8	PPSH393*1000HB*15*
0.043	18	18	11	15	0.8	PPSH433*1000HB*15*
0.047	18	18.5	11.5	15	0.8	PPSH473*1000HB*15*
0.033	23	15	8	20	0.8	PPSH333*1000HB*20*
0.036	23	15.5	8.5	20	0.8	PPSH363*1000HB*20*
0.039	23	15.5	8.5	20	0.8	PPSH393*1000HB*20*
0.043	23	16	9.5	20	0.8	PPSH433*1000HB*20*
0.047	23	16.5	10	20	0.8	PPSH473*1000HB*20*

R.V.	1000 VH					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.056	23	17.5	11	20	0.8	PPSH563*1000HB*20*
0.068	23	18	12	20	0.8	PPSH683*1000HB*20*
0.082	23	20	13	20	0.8	PPSH823*1000HB*20*
0.1	23	22	15	20	0.8	PPSH104*1000HB*20*

＊ 最大尺寸 Maximum dimensions (mm): W max = W+0.2

Cap. (μF) | **标准单位 (Size unit): mm**

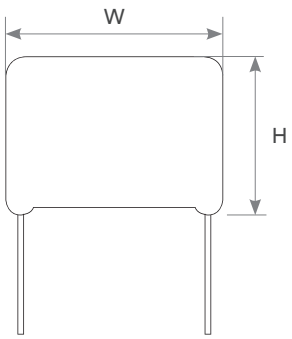
R.V.	1200VH					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.001	18	10	5	15	0.8	PPSH102*1200HB*15*
0.0012	18	10	5	15	0.8	PPSH122*1200HB*15*
0.0015	18	10	5	15	0.8	PPSH152*1200HB*15*
0.0018	18	10	5.5	15	0.8	PPSH182*1200HB*15*
0.0022	18	10.5	5.5	15	0.8	PPSH222*1200HB*15*
0.0027	18	10.5	5.5	15	0.8	PPSH272*1200HB*15*
0.003	18	10.5	5.5	15	0.8	PPSH302*1200HB*15*
0.0033	18	10.5	5.5	15	0.8	PPSH332*1200HB*15*
0.0036	18	10.5	5.5	15	0.8	PPSH362*1200HB*15*
0.0039	18	10.5	5.5	15	0.8	PPSH392*1200HB*15*
0.0047	18	11	5.5	15	0.8	PPSH472*1200HB*15*
0.0056	18	11.5	6	15	0.8	PPSH562*1200HB*15*
0.0068	18	12.5	6.5	15	0.8	PPSH682*1200HB*15*

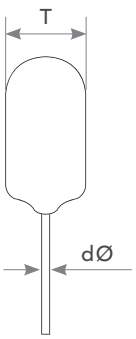
R.V.	1200VH					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.0082	18	13	7.5	15	0.8	PPSH822*1200HB*15*
0.01	18	14	8	15	0.8	PPSH103*1200HB*15*
0.012	18	14.5	9	15	0.8	PPSH123*1200HB*15*
0.015	18	15.5	10	15	0.8	PPSH153*1200HB*15*
0.018	18	17	11	15	0.8	PPSH183*1200HB*15*
0.022	18	18	12.5	15	0.8	PPSH223*1200HB*15*
0.027	23	17.5	10	20	0.8	PPSH273*1200HB*20*
0.033	23	18.5	11	20	0.8	PPSH333*1200HB*20*
0.036	23	19	11.5	20	0.8	PPSH363*1200HB*20*
0.039	23	19.5	12	20	0.8	PPSH393*1200HB*20*
0.043	23	20	13	20	0.8	PPSH433*1200HB*20*
0.047	23	20.5	13.5	20	0.8	PPSH473*1200HB*20*
0.056	23	22	15	20	0.8	PPSH563*1200HB*20*

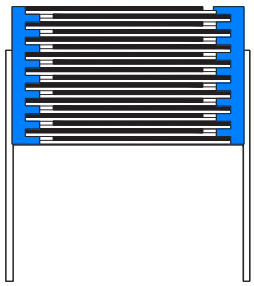
＊ 最大尺寸 Maximum dimensions (mm): W max = W+0.2

金属化聚丙烯薄膜电容器(MPP)
METALLIZED POLYPROPYLENE FILM CAPACITOR–RADIAL (MPP)

MPP







金属化聚丙烯薄膜
Metallized Polypropylene Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡线
  Leads: Tinned Wire
- 外部涂层: 阻燃环氧树脂
  Outer Coating: Flame retarding epoxy resin

特点 Feature:

- 高频下低损耗
  Low Dissipation Factor at high frequency
- 高稳定容量&损耗
  High stability of capacitance & DF
- 良好的自愈性
  Self–healing property
- 高绝缘阻抗
  High insulation resistance

推荐应用 Recommended Application:

- 主要用于电视机S–校正
  Typical for S-correction in TV–set
- 电子镇流器电路
  Electronic ballast circuits
- 开关电源电路
  Switching power supply circuits
- 录影机
  Video tape recorder

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–16					
额定电压 Rated Voltage	100VDC, 250VDC, 400VDC, 630VDC					
额定温度 Rated Temperature	–40°C ~ +85°C					
最大运行温度 Usable Upper Category Temperature	+110°C (Derating ratio of rated voltage to +85°C ~ +110°C: 1.5% per °C for Rated Voltage)					
容量范围 Capacitance Range	0.01 μF ~ 3.3 μF					
容量误差 Capacitance Tolerance	±3% (H), ±5% (J), ±10% (K)					
损耗角正切 Dissipation Factor	KHz	C≦0.1μF	0.1＜C≦1.0μF	1.0＜C≦3.0μF	3.0＜C≦5.0μF	5.0＜C≦10μF
	1	≦0.10 %	≦0.10 %	≦0.10 %	≦0.10 %	≦0.10 %
	100	≦0.40 %	≦0.70 %	≦ 1.20 %	≦1.80 %	≦2.80 %

绝缘电阻 Insulation Resistance	Terminal to Terminal: (at20°C± 5°C), Voltage charge time : 1 minute. Voltage charge : 100VDC. ≥30000MΩ for C ≤ 0.33μF, ≥10000MΩ×μF for C＞0.33μF
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C) 1.6 × V_R applied for 2sec. (cut off current 10mA)

额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	7.5 mm	10 mm	15 mm	22.5 mm	27.5 mm
	100VDC	130	110	100	70	50
	250VDC	240	220	200	130	100
	400VDC	---------	350	300	200	150
	630VDC	---------	420	400	250	180

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	100VDC / 63VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.047	10.5	7.5	4.0	7.5	0.6	MPP–473*0100DB*07*
0.056	10.5	8.0	4.0	7.5	0.6	MPP–563*0100DB*07*
0.068	10.5	9.0	4.5	7.5	0.6	MPP–683*0100DB*07*
0.082	10.5	9.5	4.5	7.5	0.6	MPP–823*0100DB*07*
0.1	10.5	10.0	5.0	7.5	0.6	MPP–104*0100DB*07*
0.12	10.5	10.0	5.5	7.5	0.6	MPP–124*0100DB*07*
0.15	10.5	11.0	6.0	7.5	0.6	MPP–154*0100DB*07*
0.18	10.5	11.5	6.5	7.5	0.6	MPP–184*0100DB*07*
0.22	13.0	11.5	6.0	10.0	0.6	MPP–224*0100DB*10*
0.27	13.0	12.0	6.5	10.0	0.6	MPP–274*0100DB*10*
0.33	13.0	13.0	7.0	10.0	0.6	MPP–334*0100DB*10*
0.39	13.0	13.5	7.5	10.0	0.6	MPP–394*0100DB*10*
0.47	13.0	14.0	8.5	10.0	0.6	MPP–474*0100DB*10*
0.56	18.0	14.0	7.0	15.0	0.8	MPP–564*0100DB*15*
0.68	18.0	15.0	7.5	15.0	0.8	MPP–684*0100DB*15*
0.82	18.0	15.5	8.0	15.0	0.8	MPP–824*0100DB*15*
1.0	18.0	16.5	9.0	15.0	0.8	MPP–105*0100DB*15*
1.2	18.0	17.5	10.0	15.0	0.8	MPP–125*0100DB*15*

R.V.	100VDC / 63VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
1.5	18.0	18.5	11.5	15.0	0.8	MPP–155*0100DB*15*
1.8	25.5	18.0	9.0	22.5	0.8	MPP–185*0100DB*22*
2.2	25.5	19.0	10.0	22.5	0.8	MPP–225*0100DB*22*
2.7	25.5	20.0	11.5	22.5	0.8	MPP–275*0100DB*22*
3.3	25.5	24.5	15.5	22.5	0.8	MPP–335*0100DB*22*

＊ 最大尺寸 Maximum dimensions (mm): W max = W+0.2

Cap. (μF) | 标准单位 (Size unit): mm

R.V.	250VDC / 160VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.022	10.5	7.5	4.0	7.5	0.6	MPP–223*0250DB*07*
0.027	10.5	8.0	4.0	7.5	0.6	MPP–273*0250DB*07*
0.033	10.5	8.5	4.5	7.5	0.6	MPP–333*0250DB*07*
0.039	10.5	9.0	4.5	7.5	0.6	MPP–393*0250DB*07*
0.047	10.5	10.0	4.5	7.5	0.6	MPP–473*0250DB*07*
0.056	10.5	10.5	5.0	7.5	0.6	MPP–563*0250DB*07*
0.068	10.5	11.0	5.5	7.5	0.6	MPP–683*0250DB*07*
0.082	10.5	11.5	6.0	7.5	0.6	MPP–823*0250DB*07*
0.1	10.5	12.0	6.5	7.5	0.6	MPP–104*0250DB*07*
0.12	13.0	11.5	6.0	10.0	0.6	MPP–124*0250DB*10*
0.15	13.0	12.0	6.5	10.0	0.6	MPP–154*0250DB*10*
0.18	13.0	12.5	7.0	10.0	0.6	MPP–184*0250DB*10*
0.22	13.0	13.0	7.5	10.0	0.6	MPP–224*0250DB*10*
0.27	18.0	13.0	6.0	15.0	0.8	MPP–274*0250DB*15*
0.33	18.0	14.0	6.5	15.0	0.8	MPP–334*0250DB*15*
0.39	18.0	14.5	7.0	15.0	0.8	MPP–394*0250DB*15*
0.47	18.0	15.0	8.0	15.0	0.8	MPP–474*0250DB*15*
0.56	18.0	16.0	8.5	15.0	0.8	MPP–564*0250DB*15*
0.68	18.0	17.0	9.5	15.0	0.8	MPP–684*0250DB*15*
0.82	18.0	18.5	10.0	15.0	0.8	MPP–824*0250DB*15*
1.0	18.0	20.0	11.0	15.0	0.8	MPP–105*0250DB*15*
1.2	25.5	18.0	9.0	22.5	0.8	MPP–125*0250DB*22*
1.5	25.5	19.5	10.5	22.5	0.8	MPP–155*0250DB*22*
1.8	25.5	20.5	11.5	22.5	0.8	MPP–185*0250DB*22*
2.2	25.5	22.0	13.0	22.5	0.8	MPP–225*0250DB*22*
2.7	25.5	23.5	14.5	22.5	0.8	MPP–275*0250DB*22*
3.3	25.5	25.0	16.0	22.5	0.8	MPP–335*0250DB*22*

R.V.	400VDC / 200VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.01	10.5	7.5	4.0	7.5	0.6	MPP–103*0400DB*07*
0.012	10.5	8.5	4.0	7.5	0.6	MPP–123*0400DB*07*
0.015	10.5	9.0	4.5	7.5	0.6	MPP–153*0400DB*07*
0.018	10.5	9.5	4.5	7.5	0.6	MPP–183*0400DB*07*
0.022	10.5	10.0	5.0	7.5	0.6	MPP–223*0400DB*07*
0.027	10.5	10.5	5.5	7.5	0.6	MPP–273*0400DB*07*
0.033	10.5	11.0	6.0	7.5	0.6	MPP–333*0400DB*07*
0.039	13.0	11.0	5.5	10.0	0.6	MPP–393*0400DB*10*
0.047	13.0	11.0	5.5	10.0	0.6	MPP–473*0400DB*10*
0.056	13.0	11.5	6.0	10.0	0.6	MPP–563*0400DB*10*
0.068	13.0	12.5	6.5	10.0	0.6	MPP–683*0400DB*10*
0.082	13.0	13.0	7.0	10.0	0.6	MPP–823*0400DB*10*
0.1	13.0	13.5	8.0	10.0	0.6	MPP–104*0400DB*10*
0.12	18.0	12.0	6.0	15.0	0.8	MPP–124*0400DB*15*
0.15	18.0	12.5	7.0	15.0	0.8	MPP–154*0400DB*15*
0.18	18.0	13.5	8.5	15.0	0.8	MPP–184*0400DB*15*
0.22	18.0	15.0	8.0	15.0	0.8	MPP–224*0400DB*15*
0.27	18.0	16.0	8.5	15.0	0.8	MPP–274*0400DB*15*
0.33	18.0	17.0	9.5	15.0	0.8	MPP–334*0400DB*15*
0.39	18.0	18.0	10.5	15.0	0.8	MPP–394*0400DB*15*
0.47	25.5	16.0	9.0	22.5	0.8	MPP–474*0400DB*22*
0.56	25.5	17.0	10.0	22.5	0.8	MPP–564*0400DB*22*
0.68	25.5	18.0	11.0	22.5	0.8	MPP–684*0400DB*22*
0.82	25.5	20.0	11.0	22.5	0.8	MPP–824*0400DB*22*
1.0	25.5	21.5	12.5	22.5	0.8	MPP–105*0400DB*22*
1.2	25.5	23.0	14.0	22.5	0.8	MPP–125*0400DB*22*
1.5	25.5	24.5	15.5	22.5	0.8	MPP–155*0400DB*22*

* 最大尺寸 Maximum dimensions (mm): W max = W+0.2

Cap. (μF) | **标准单位 (Size unit): mm**

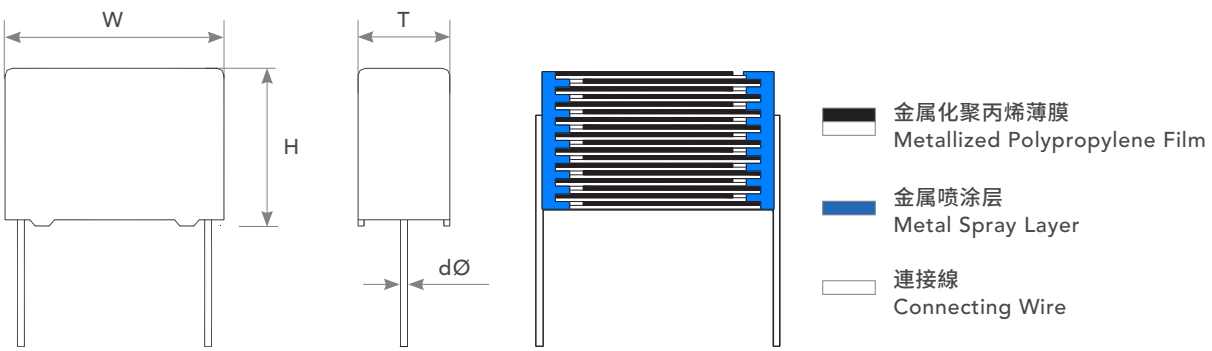
R.V.	630VDC / 220VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.01	10.5	9.0	5.5	7.5	0.6	MPP–103*0630DB*07*
0.012	10.5	9.5	6.0	7.5	0.6	MPP–123*0630DB*07*
0.015	10.5	10.5	6.0	7.5	0.6	MPP–153*0630DB*07*
0.018	10.5	11.0	6.5	7.5	0.6	MPP–183*0630DB*07*
0.022	13.0	10.0	6.0	10.0	0.6	MPP–223*0630DB*10*
0.027	13.0	11.0	6.5	10.0	0.6	MPP–273*0630DB*10*
0.033	13.0	11.5	7.0	10.0	0.6	MPP–333*0630DB*10*
0.039	13.0	12.0	8.0	10.0	0.6	MPP–393*0630DB*10*
0.047	13.0	13.0	8.0	10.0	0.6	MPP–473*0630DB*10*
0.056	13.0	14.0	9.0	10.0	0.6	MPP–563*0630DB*10*
0.068	18.0	12.5	7.0	15.0	0.8	MPP–683*0630DB*15*
0.082	18.0	13.0	7.5	15.0	0.8	MPP–823*0630DB*15*
0.1	18.0	14.0	8.0	15.0	0.8	MPP–104*0630DB*15*

R.V.	630VDC / 220VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.12	18.0	15.5	8.0	15.0	0.8	MPP–124*0630DB*15*
0.15	18.0	16.5	9.0	15.0	0.8	MPP–154*0630DB*15*
0.18	18.0	17.5	10.0	15.0	0.8	MPP–184*0630DB*15*
0.22	18.0	18.5	11.5	15.0	0.8	MPP–224*0630DB*15*
0.27	25.5	18.0	9.0	22.5	0.8	MPP–274*0630DB*22*
0.33	25.5	19.0	10.0	22.5	0.8	MPP–334*0630DB*22*
0.39	25.5	20.0	11.0	22.5	0.8	MPP–394*0630DB*22*
0.47	25.5	21.0	12.0	22.5	0.8	MPP–474*0630DB*22*
0.56	25.5	22.5	13.5	22.5	0.8	MPP–564*0630DB*22*
0.68	25.5	24.0	15.0	22.5	0.8	MPP–684*0630DB*22*
0.82	25.5	25.5	16.5	22.5	0.8	MPP–824*0630DB*22*
1.0	31.0	25.0	16.0	27.5	0.8	MPP–105*0630DB*27*
1.2	31.0	27.0	18.0	27.5	0.8	MPP–125*0630DB*27*

＊ 最大尺寸 Maximum dimensions (mm): W max = W+0.2

金属化聚丙烯薄膜电容器(MPB)
METALLIZED POLYPROPYLENE FILM CAPACITOR–RADIAL (MPB)

MPB



结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡线
  Leads: Tinned Wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 高频下低损耗
  Low Dissipation Factor at high frequency
- 高稳定容量&损耗
  High stability of capacitance & DF
- 良好的自愈性
  Self–healing property
- 高绝缘阻抗
  High insulation resistance

推荐应用 Recommended Application:

- 主要用于电视机S–校正
  Typical for S-correction in TV–set
- 电子镇流器电路
  Electronic ballast circuits
- 开关电源电路
  Switching power supply circuits
- 录影机
  Video tape recorder

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–16
额定电压 Rated Voltage	100VDC, 250VDC, 400VDC, 630VDC, 1000VDC*
额定温度 Rated Temperature	–40°C ~ +85°C
最大运行温度 Usable Upper Category Temperature	+110°C (Derating ratio of rated voltage to +85°C ~ +110°C: 1.5% per °C for Rated Voltage) (*For temperature between +85°C and +110°C, a decreasing factor of 2.0% per degree°CΦon the nominal voltage V_R (d.c) has to be applied. *For temperature between +85°C and +110°C, a decreasing factor of 1.25% per degree°C on the nominal voltage V_R (a.c) has to be applied.)
容量范围 Capacitance Range	0.01 μF ~ 3.3 μF
容量误差 Capacitance Tolerance	±3% (H), ±5% (J), ±10% (K)

损耗角正切 Dissipation Factor	KHz	C≦0.1μF	0.1＜C≦1.0μF	1.0＜C≦3.0μF	3.0＜C≦5.0μF	5.0＜C≦10μF
	1	≦0.10 %	≦0.10 %	≦0.10 %	≦0.10 %	≦0.10 %
	100	≦0.40 %	≦0.70 %	≦ 1.20 %	≦1.80 %	≦2.80 %
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at20°C± 5°C), Voltage charge time : 1 minute. Voltage charge : 100VDC. ⩾30000MΩ for C ⩽ 0.33μF, ⩾10000MΩ×μF for C＞0.33μF					
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C) 1.6 × V_R applied for 2sec. (cut off current 10mA)					

额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	7.5 mm	10 mm	15 mm	22.5 mm	27.5 mm
	100VDC	130	110	100	70	50
	250VDC	240	220	200	130	100
	400VDC	---------	350	300	200	150
	630VDC	---------	420	400	250	180
	1000VDC	---------	---------	450	300	200

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	100VDC / 63VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.047	10	8	4	7.5	0.6	MPB–473*0100DB*07*
0.056	10	8	4	7.5	0.6	MPB–563*0100DB*07*
0.068	10	9	4	7.5	0.6	MPB–683*0100DB*07*
0.082	10	10	5	7.5	0.6	MPB–823*0100DB*07*
0.1	10	10	5	7.5	0.6	MPB–104*0100DB*07*
0.12	10	10	5	7.5	0.6	MPB–124*0100DB*07*
0.15	10	12	6	7.5	0.6	MPB–154*0100DB*07*
0.18	10	12	6	7.5	0.6	MPB–184*0100DB*07*
0.22	13	11	5	10	0.6	MPB–224*0100DB*10*
0.27	13	12	6	10	0.6	MPB–274*0100DB*10*
0.33	13	13	7	10	0.6	MPB–334*0100DB*10*
0.39	13	13	7	10	0.6	MPB–394*0100DB*10*
0.47	13	14	8	10	0.6	MPB–474*0100DB*10*
0.56	18	13	7	15	0.8	MPB–564*0100DB*15*
0.68	18	14.5	7.5	15	0.8	MPB–684*0100DB*15*

R.V.	100VDC / 63VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.82	18	15.5	8	15	0.8	MPB–824*0100DB*15*
1.0	18	16	9	15	0.8	MPB–105*0100DB*15*
1.2	18	18	10	15	0.8	MPB–125*0100DB*15*
1.5	18	19	11	15	0.8	MPB–155*0100DB*15*
1.8	26	18	9	22.5	0.8	MPB–185*0100DB*22*
2.2	26	18.5	10	22.5	0.8	MPB–225*0100DB*22*
2.7	26	20	11	22.5	0.8	MPB–275*0100DB*22*
3.3	26	25	15	22.5	0.8	MPB–335*0100DB*22*

Cap. (μF) | 标准单位 (Size unit): mm

R.V.	250VDC / 160VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.022	10	8	4	7.5	0.6	MPB–223*0250DB*07*
0.027	10	8	4	7.5	0.6	MPB–273*0250DB*07*
0.033	10	9	4	7.5	0.6	MPB–333*0250DB*07*
0.039	10	9	4	7.5	0.6	MPB–393*0250DB*07*
0.047	10	10	5	7.5	0.6	MPB–473*0250DB*07*
0.056	10	10	5	7.5	0.6	MPB–563*0250DB*07*
0.068	10	10	5	7.5	0.6	MPB–683*0250DB*07*
0.082	10	12	6	7.5	0.6	MPB–823*0250DB*07*
0.1	10	12	6	7.5	0.6	MPB–104*0250DB*07*
0.12	13	12	6	10	0.6	MPB–124*0250DB*10*
0.15	13	12	6	10	0.6	MPB–154*0250DB*10*
0.18	13	13	7	10	0.6	MPB–184*0250DB*10*
0.22	13	13	7	10	0.6	MPB–224*0250DB*10*
0.27	18	12.5	6	15	0.8	MPB–274*0250DB*15*
0.33	18	13	7	15	0.8	MPB–334*0250DB*15*
0.39	18	14	7.5	15	0.8	MPB–394*0250DB*15*
0.47	18	14.5	7.5	15	0.8	MPB–474*0250DB*15*
0.56	18	16	9	15	0.8	MPB–564*0250DB*15*
0.68	18	18	9	15	0.8	MPB–684*0250DB*15*
0.82	18	19	10	15	0.8	MPB–824*0250DB*15*
1.0	18	19	11	15	0.8	MPB–105*0250DB*15*
1.2	26	18	9	22.5	0.8	MPB–125*0250DB*22*
1.5	26	19	10	22.5	0.8	MPB–155*0250DB*22*
1.8	26	20	11	22.5	0.8	MPB–185*0250DB*22*
2.2	26	22	12.5	22.5	0.8	MPB–225*0250DB*22*
2.7	26	24	14	22.5	0.8	MPB–275*0250DB*22*
3.3	26	25	15	22.5	0.8	MPB–335*0250DB*22*

R.V.	400VDC / 200VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.01	10	8	4	7.5	0.6	MPB–103*0400DB*07*
0.012	10	8	4	7.5	0.6	MPB–123*0400DB*07*
0.015	10	10	5	7.5	0.6	MPB–153*0400DB*07*
0.018	10	10	5	7.5	0.6	MPB–183*0400DB*07*
0.022	10	10	5	7.5	0.6	MPB–223*0400DB*07*
0.027	10	11	5	7.5	0.6	MPB–273*0400DB*07*
0.033	10	12	6	7.5	0.6	MPB–333*0400DB*07*
0.039	13	11	5.5	10	0.6	MPB–393*0400DB*10*
0.047	13	11	5.5	10	0.6	MPB–473*0400DB*10*
0.056	13	12	6	10	0.6	MPB–563*0400DB*10*
0.068	13	13	7	10	0.6	MPB–683*0400DB*10*
0.082	13	13	7	10	0.6	MPB–823*0400DB*10*
0.1	13	14	8	10	0.6	MPB–104*0400DB*10*
0.12	18	12	6	15	0.8	MPB–124*0400DB*15*
0.15	18	13	7	15	0.8	MPB–154*0400DB*15*
0.18	18	13.5	7.5	15	0.8	MPB–184*0400DB*15*
0.22	18	14.5	7.5	15	0.8	MPB–224*0400DB*15*
0.27	18	16	9	15	0.8	MPB–274*0400DB*15*
0.33	18	16.5	10	15	0.8	MPB–334*0400DB*15*
0.39	18	17.5	11	15	0.8	MPB–394*0400DB*15*
0.47	26	17	8	22.5	0.8	MPB–474*0400DB*22*
0.56	26	18	9	22.5	0.8	MPB–564*0400DB*22*
0.68	26	19	10	22.5	0.8	MPB–684*0400DB*22*
0.82	26	20	11	22.5	0.8	MPB–824*0400DB*22*
1.0	26	21.5	12	22.5	0.8	MPB–105*0400DB*22*
1.2	26	24	14	22.5	0.8	MPB–125*0400DB*22*
1.5	26	25	15	22.5	0.8	MPB–155*0400DB*22*

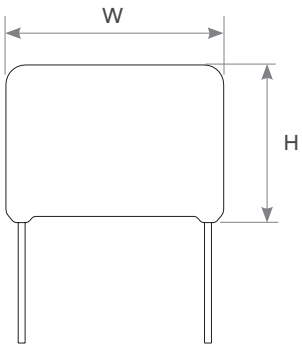
Cap. (μF) | 标准单位 (Size unit): mm

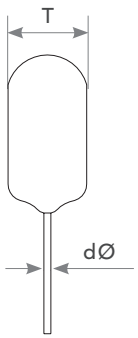
R.V.	630VDC / 250VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.01	10	10	5	7.5	0.6	MPB–103*0630DB*07*
0.012	10	11	5	7.5	0.6	MPB–123*0630DB*07*
0.015	10	12	6	7.5	0.6	MPB–153*0630DB*07*
0.018	10	12	6	7.5	0.6	MPB–183*0630DB*07*
0.022	13	11	5.5	10	0.6	MPB–223*0630DB*10*
0.027	13	12	6	10	0.6	MPB–273*0630DB*10*
0.033	13	13	7	10	0.6	MPB–333*0630DB*10*
0.039	13	13	7	10	0.6	MPB–393*0630DB*10*
0.047	13	14	8	10	0.6	MPB–473*0630DB*10*
0.056	13	14	8	10	0.6	MPB–563*0630DB*10*
0.047	18	11	5	15	0.8	MPB–473*0630DB*15*
0.068	18	13	7	15	0.8	MPB–683*0630DB*15*
0.082	18	13.5	7.5	15	0.8	MPB–823*0630DB*15*
0.1	18	14	8	15	0.8	MPB–104*0630DB*15*
0.12	18	15.5	8	15	0.8	MPB–124*0630DB*15*
0.15	18	16.5	10	15	0.8	MPB–154*0630DB*15*
0.18	18	18	10	15	0.8	MPB–184*0630DB*15*
0.22	18	19	11	15	0.8	MPB–224*0630DB*15*
0.27	26	18	9	22.5	0.8	MPB–274*0630DB*22*
0.33	26	19	10	22.5	0.8	MPB–334*0630DB*22*
0.39	26	20	11	22.5	0.8	MPB–394*0630DB*22*
0.47	26	21.5	12	22.5	0.8	MPB–474*0630DB*22*
0.56	26	23	14.5	22.5	0.8	MPB–564*0630DB*22*
0.68	26	25	15	22.5	0.8	MPB–684*0630DB*22*
0.82	26	25.5	16.5	22.5	0.8	MPB–824*0630DB*22*
1.0	31	25.5	16	27.5	0.8	MPB–105*0630DB*27*
1.2	31	27.5	18	27.5	0.8	MPB–125*0630DB*27*

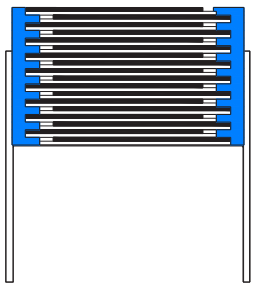
R.V.	1000VDC / 250VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.01	18	11	5	15	0.8	MPB–103*1000DB*15*
0.012	18	11	5	15	0.8	MPB–123*1000DB*15*
0.015	18	11	5	15	0.8	MPB–153*1000DB*15*
0.018	18	11	5	15	0.8	MPB–183*1000DB*15*
0.022	18	11	5	15	0.8	MPB–223*1000DB*15*
0.027	18	12	6	15	0.8	MPB–273*1000DB*15*
0.033	18	12	6	15	0.8	MPB–333*1000DB*15*
0.039	18	13	7	15	0.8	MPB–393*1000DB*15*
0.047	18	13	7	15	0.8	MPB–473*1000DB*15*
0.056	18	14	8	15	0.8	MPB–563*1000DB*15*
0.068	18	14.5	8.5	15	0.8	MPB–683*1000DB*15*
0.082	18	16	10	15	0.8	MPB–823*1000DB*15*
0.1	18	18	10	15	0.8	MPB–104*1000DB*15*
0.12	26	17	8	22.5	0.8	MPB–124*1000DB*22*
0.15	26	18	9	22.5	0.8	MPB–154*1000DB*22*
0.18	26	18.5	10	22.5	0.8	MPB–184*1000DB*22*
0.22	26	20	11	22.5	0.8	MPB–224*1000DB*22*
0.27	31	20	10	27.5	0.8	MPB–274*1000DB*27*
0.33	31	20	11	27.5	0.8	MPB–334*1000DB*27*
0.39	31	22	13	27.5	0.8	MPB–394*1000DB*27*
0.47	31	23.5	14	27.5	0.8	MPB–474*1000DB*27*
0.56	31	24.5	15	27.5	0.8	MPB–564*1000DB*27*
0.68	31	26	18	27.5	0.8	MPB–684*1000DB*27*
0.82	31	28	18	27.5	0.8	MPB–824*1000DB*27*
1.0	31	33	18	27.5	0.8	MPB–105*1000DB*27*

金属化聚丙烯薄膜电容器(MPS)
METALLIZED POLYPROPYLENE FILM CAPACITOR–RADIAL (MPS)

MPS







金属化聚丙烯薄膜
Metallized Polypropylene Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡线
  Leads: Tinned Wire
- 外部涂层: 阻燃环氧树脂
  Outer Coating: Flame retarding epoxy resin

特点 Feature:

- 高频下低损耗
  Low Dissipation Factor at high frequency
- 高稳定容量&损耗
  High stability of capacitance & DF
- 适用于高频、大电流场合
  For high frequency & high current application

推荐应用 Recommended Application:

- 主要使用于电视机S–校正
  Typical for S-correction in TV–set
- 电子镇流器电路
  Electronic ballast circuits
- 开关电源电路
  Switching power supply circuits
- 高脉冲负载应用
  High pulse load applications

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–16				
额定电压 Rated Voltage	250VDC, 400VDC, 630VDC				
额定温度 Rated Temperature	–40°C ~ +85°C				
最大运行温度 Usable Upper Category Temperature	+110°C	(Derating ratio of rated voltage to +85°C ~ +110°C: 1.5% per °C for Rated Voltage)			
容量范围 Capacitance Range	0.022μF ~ 3.3μF				
容量误差 Capacitance Tolerance	±3% (H), ±5% (J), ±10% (K)				
损耗角正切 Dissipation Factor	KHz	0.01μF＜C≦0.33μF	0.33μF＜C≦1.0μF	1.0μF＜C≦3.0μF	3.0μF＜C≦3.3μF
	1	≦0.05 %	≦0.05 %	≦0.05 %	≦0.05 %
	100	≦0.30 %	≦0.50 %	≦0.80 %	≦1.50 %

绝缘电阻 Insulation Resistance	Terminal to Terminal: (at20°C± 5°C), Voltage charge time : 1 minute. Voltage charge : 100VDC. ≥50000MΩ for C ≤ 1.0μF, ≥50000MΩ×μF for C＞1.0μF
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C) 1.6 × V_R applied for 2sec. (cut off current 10mA)

额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	10 mm	15 mm	20 mm	27.5 mm
	250VDC	---------	550	300	200
	400VDC	1400	900	550	300
	630VDC	---------	1200	700	400

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	250VDC / 200VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.10	18.0	11.0	5.5	15.0	0.8	MPS–104*0250DB*15*
0.12	18.0	11.5	6.0	15.0	0.8	MPS–124*0250DB*15*
0.15	18.0	12.5	6.5	15.0	0.8	MPS–154*0250DB*15*
0.18	18.0	13.0	7.0	15.0	0.8	MPS–184*0250DB*15*
0.22	18.0	13.5	8.0	15.0	0.8	MPS–224*0250DB*15*
0.27	18.0	14.0	8.5	15.0	0.8	MPS–274*0250DB*15*
0.33	18.0	15.0	9.5	15.0	0.8	MPS–334*0250DB*15*
0.39	23.0	15.0	8.0	20.0	0.8	MPS–394*0250DB*20*
0.47	23.0	15.5	8.5	20.0	0.8	MPS–474*0250DB*20*
0.56	23.0	16.5	9.5	20.0	0.8	MPS–564*0250DB*20*
0.68	23.0	17.5	10.5	20.0	0.8	MPS–684*0250DB*20*
0.82	23.0	18.5	11.5	20.0	0.8	MPS–824*0250DB*20*
1.0	23.0	20.0	12.5	20.0	0.8	MPS–105*0250DB*20*
1.2	31.0	19.0	11.5	27.5	0.8	MPS–125*0250DB*27*
1.5	31.0	20.0	13.0	27.5	0.8	MPS–155*0250DB*27*
1.8	31.0	21.5	14.5	27.5	0.8	MPS–185*0250DB*27*
2.2	31.0	23.0	16.0	27.5	0.8	MPS–225*0250DB*27*
2.7	31.0	25.0	18.0	27.5	0.8	MPS–275*0250DB*27*
3.3	31.0	27.0	20.0	27.5	0.8	MPS–335*0250DB*27*

＊ 最大尺寸 Maximum dimensions (mm): W max = W+0.2

R.V.	400VDC / 220VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.033	13.0	12.0	6.0	10.0	0.8	MPS–333*0400DB*10*
0.039	13.0	12.0	6.0	10.0	0.8	MPS–393*0400DB*10*
0.047	13.0	13.0	7.0	10.0	0.8	MPS–473*0400DB*10*
0.056	13.0	13.0	7.0	10.0	0.8	MPS–563*0400DB*10*
0.068	18.0	12.0	6.0	15.0	0.8	MPS–683*0400DB*15*
0.082	18.0	12.5	6.5	15.0	0.8	MPS–823*0400DB*15*
0.10	18.0	13.0	7.0	15.0	0.8	MPS–104*0400DB*15*
0.12	18.0	13.5	7.5	15.0	0.8	MPS–124*0400DB*15*
0.15	18.0	14.5	8.5	15.0	0.8	MPS–154*0400DB*15*
0.18	18.0	15.0	9.0	15.0	0.8	MPS–184*0400DB*15*
0.22	18.0	15.5	10.0	15.0	0.8	MPS–224*0400DB*15*
0.27	23.0	17.0	8.5	20.0	0.8	MPS–274*0400DB*20*
0.33	23.0	18.0	9.0	20.0	0.8	MPS–334*0400DB*20*
0.39	23.0	18.5	10.0	20.0	0.8	MPS–394*0400DB*20*
0.47	23.0	19.5	11.0	20.0	0.8	MPS–474*0400DB*20*
0.56	31.0	20.0	10.5	27.5	0.8	MPS–564*0400DB*27*
0.68	31.0	20.0	11.0	27.5	0.8	MPS–684*0400DB*27*
0.82	31.0	21.0	12.0	27.5	0.8	MPS–824*0400DB*27*
1.0	31.0	22.5	13.5	27.5	0.8	MPS–105*0400DB*27*
1.2	31.0	24.0	15.0	27.5	0.8	MPS–125*0400DB*27*
1.5	31.0	25.5	16.5	27.5	0.8	MPS–155*0400DB*27*

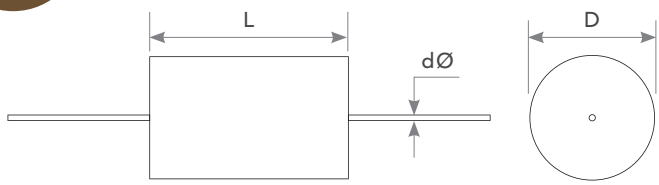
Cap. (μF) | 标准单位 (Size unit): mm

R.V.	630VDC / 260VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.022	18.0	11.0	5.0	15.0	0.8	MPS–223*0630DB*15*
0.027	18.0	11.0	5.5	15.0	0.8	MPS–273*0630DB*15*
0.033	18.0	12.5	6.5	15.0	0.8	MPS–333*0630DB*15*
0.039	18.0	12.5	7.0	15.0	0.8	MPS–393*0630DB*15*
0.047	18.0	13.5	7.5	15.0	0.8	MPS–473*0630DB*15*
0.056	18.0	14.0	8.0	15.0	0.8	MPS–563*0630DB*15*
0.068	18.0	15.0	10.0	15.0	0.8	MPS–683*0630DB*15*
0.082	18.0	15.0	10.0	15.0	0.8	MPS–823*0630DB*15*
0.10	23.0	15.5	8.5	20.0	0.8	MPS–104*0630DB*20*
0.12	23.0	17.0	8.0	20.0	0.8	MPS–124*0630DB*20*
0.15	23.0	17.5	10.5	20.0	0.8	MPS–154*0630DB*20*
0.18	23.0	18.5	11.5	20.0	0.8	MPS–184*0630DB*20*
0.22	23.0	20.0	12.5	20.0	0.8	MPS–224*0630DB*20*
0.27	31.0	19.0	11.0	27.5	0.8	MPS–274*0630DB*27*
0.33	31.0	21.0	12.0	27.5	0.8	MPS–334*0630DB*27*
0.39	31.0	22.0	13.0	27.5	0.8	MPS–394*0630DB*27*
0.47	31.0	23.0	15.0	27.5	0.8	MPS–474*0630DB*27*
0.56	31.0	25.0	16.0	27.5	0.8	MPS–564*0630DB*27*

＊ 最大尺寸 Maximum dimensions (mm): W max = W+0.2

金属化聚丙烯薄膜电容器–轴向(MPT)
METALLIZED POLYPROPYLENE FILM CAPACITOR–AXIAL (MPT)

MPT





金属化聚丙烯薄膜
Metallized Polypropylene Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡线
  Leads: Tinned Wire
- 外部涂层: 绝缘胶带包裹, 环氧树脂填充
  Outer Coating: Insulating tape wrapping and epoxy resin end filled

特点 Feature:

- 高频下低损耗
  Low Dissipation Factor at high frequency
- 高稳定容量&损耗
  High stability of capacitance & DF
- 良好的自愈性
  Self–healing property
- 高绝缘阻抗
  High insulation resistance

推荐应用 Recommended Application:

- 定时, 振荡器电路
  Timing, Oscillator circuits
- 温度补偿电路
  Temperature compensation circuits
- 电信和资料处理
  Telecommunications and data processing
- 专业电子测试设备
  Professional electronics testing equipment
- 工业仪器
  Industrial instruments

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–16					
额定电压 Rated Voltage	250VDC, 400VDC, 630VDC					
额定温度 Rated Temperature	–40°C ~ +85°C					
最大运行温度 Usable Upper Category Temperature	+110°C (Derating ratio of rated voltage to +85°C ~ +110°C: 1.5% per °C for Rated Voltage)					
容量范围 Capacitance Range	0.1μF ~ 10μF					
容量误差 Capacitance Tolerance	±3% (H), ±5% (J), ±10% (K)					
损耗角正切 Dissipation Factor	KHz	C≦0.1μF	0.1＜C≦1.0μF	1.0＜C≦3.0μF	3.0＜C≦5.0μF	5.0＜C≦10μF
	1	≦0.10 %	≦0.10 %	≦0.10 %	≦0.10 %	≦0.10 %
	100	≦0.40 %	≦0.70 %	≦1.20 %	≦1.80 %	≦2.80 %

绝缘电阻 Insulation Resistance	Terminal to Terminal: (at20°C± 5°C), Voltage charge time : 1 minute. Voltage charge : 100VDC. ≥30000MΩ for C ≤0.33μF, ≥10000MΩ×μF for C＞0.33μF
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C) 1.6 × V_R applied for 2sec. (cut off current 10mA)

额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Length / V_R	25 mm	27 mm	33 mm	38 mm	44 mm
	250VDC	6	5	3	2	2
	400VDC	8	7.5	5	4	3
	630VDC	14	12	7	5	4

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	250VDC / 160VAC			
Size / Cap (μF)	L	D	dØ ±0.05	料号 Part Number
0.68	25	12.5	0.8	MPT–684*0250DB0000
1.0	25	12.5	0.8	MPT–105*0250DB0000
1.5	33	15	0.8	MPT–155*0250DB0000
2.2	33	17	0.8	MPT–225*0250DB0000
3.3	33	19	0.8	MPT–335*0250DB0000
4.7	38	20.5	0.8	MPT–475*0250DB0000
6.8	44	23	0.8	MPT–685*0250DB0000
10	44	26	0.8	MPT–106*0250DB0000

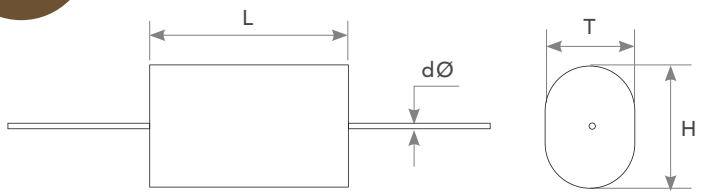
R.V.	630VDC / 250VAC			
Size / Cap (μF)	L	D	dØ ±0.05	料号 Part Number
0.1	27	11.5	0.8	MPT–104*0630DB0000
0.15	27	13	0.8	MPT–154*0630DB0000
0.22	33	13	0.8	MPT–224*0630DB0000
0.33	33	16	0.8	MPT–334*0630DB0000
0.47	33	18	0.8	MPT–474*0630DB0000
0.68	33	20	0.8	MPT–684*0630DB0000
1.0	38	21	0.8	MPT–105*0630DB0000
1.5	44	22	0.8	MPT–155*0630DB0000
2.2	44	27	0.8	MPT–225*0630DB0000

R.V.	400VDC / 200VAC			
Size / Cap (μF)	L	D	dØ ±0.05	料号 Part Number
0.33	27	11.5	0.8	MPT–334*0400DB0000
0.47	27	13	0.8	MPT–474*0400DB0000
0.68	33	14.5	0.8	MPT–684*0400DB0000
1.0	33	17.5	0.8	MPT–105*0400DB0000
1.5	33	20.5	0.8	MPT–155*0400DB0000
2.2	38	22	0.8	MPT–225*0400DB0000
3.3	44	26	0.8	MPT–335*0400DB0000

＊ 最大尺寸 Maximum dimensions (mm):
L max = L+0.5 , H max = H+0.5 , T max = T+0.5

金属化聚丙烯薄膜电容器–轴向(MPA)
METALLIZED POLYPROPYLENE FILM CAPACITOR–AXIAL FLAT(MPA)

MPA





金属化聚丙烯薄膜
Metallized Polypropylene Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡线
  Leads: Tinned Wire
- 外部涂层: 绝缘胶带包裹, 环氧树脂填充
  Outer Coating: Insulating tape wrapping and epoxy resin end filled

特点 Feature:

- 高频下低损耗
  Low Dissipation Factor at high frequency
- 高稳定容量&损耗
  High stability of capacitance & DF
- 良好的自愈性
  Self–healing property
- 高绝缘阻抗
  High insulation resistance

推荐应用 Recommended Application:

- 定时, 振荡器电路
  Timing, Oscillator circuits
- 温度补偿电路
  Temperature compensation circuits
- 电信和资料处理
  Telecommunications and data processing
- 专业电子测试设备
  Professional electronics testing equipment
- 工业仪器
  Industrial instruments

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–16					
额定电压 Rated Voltage	250VDC, 400VDC, 630VDC					
额定温度 Rated Temperature	–40°C ~ +85°C					
最大运行温度 Usable Upper Category Temperature	+110°C (Derating ratio of rated voltage to +85°C ~ +110°C: 1.5% per °C for Rated Voltage)					
容量范围 Capacitance Range	0.047μF ~ 10μF					
容量误差 Capacitance Tolerance	±3% (H), ±5% (J), ±10% (K)					
损耗角正切 Dissipation Factor	KHz	C≦0.1μF	0.1＜C≦1.0μF	1.0＜C≦3.0μF	3.0＜C≦5.0μF	5.0＜C≦10μF
	1	≦0.10 %	≦0.10 %	≦0.10 %	≦0.10 %	≦0.10 %
	100	≦0.40 %	≦0.70 %	≦1.20 %	≦1.80 %	≦2.80 %

绝缘电阻 Insulation Resistance	Terminal to Terminal: (at20°C± 5°C), Voltage charge time : 1 minute. Voltage charge : 100VDC. ≥30000MΩ for C ≤0.33μF, ≥10000MΩ×μF for C＞0.33μF
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C) 1.6 × V_R applied for 2sec. (cut off current 10mA)

额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Length / V_R	19 mm	27 mm	33 mm	44 mm
	250VDC	8	5	3	2
	400VDC	12	7.5	5	3
	630VDC	16	12	7	4

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	250VDC / 160VAC				
Size / Cap (μF)	L	H	T	dØ ±0.05	料号 Part Number
0.33	19	12.5	8	0.6	MPA–334*0250DB0000
0.47	27	15	8.5	0.8	MPA–474*0250DB0000
0.68	27	16	10	0.8	MPA–684*0250DB0000
1.0	33	17.5	10	0.8	MPA–105*0250DB0000
1.5	33	19.5	13	0.8	MPA–155*0250DB0000
2.2	33	20	13.5	0.8	MPA–225*0250DB0000
3.3	33	24	16	0.8	MPA–335*0250DB0000
4.7	38	25	16	0.8	MPA–475*0250DB0000
6.8	44	32	16	0.8	MPA–685*0250DB0000
10	44	38	18	0.8	MPA–106*0250DB0000

R.V.	400VDC / 200VAC				
Size / Cap (μF)	L	H	T	dØ ±0.05	料号 Part Number
0.1	19	12	7.5	0.6	MPA–104*0400DB0000
0.15	19	14.5	8.5	0.8	MPA–154*0400DB0000
0.22	27	14.5	8	0.6	MPA–224*0400DB0000
0.33	27	16	9.5	0.8	MPA–334*0400DB0000
0.47	33	16	10	0.8	MPA–474*0400DB0000
0.68	33	18	11	0.8	MPA–684*0400DB0000
1.0	33	21	14	0.8	MPA–105*0400DB0000
1.5	33	24	16	0.8	MPA–155*0400DB0000
2.2	38	30	14.5	0.8	MPA–225*0400DB0000
3.3	44	37	18	0.8	MPA–335*0400DB0000

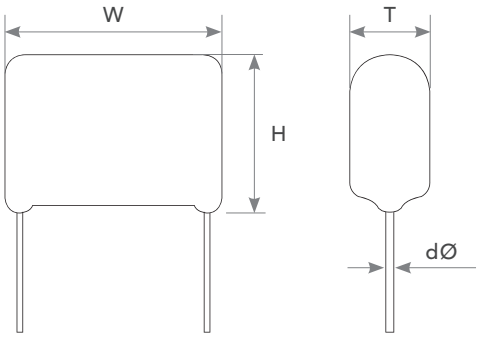
R.V.	630VDC / 250VAC				
Size / Cap (μF)	L	H	T	dØ ±0.05	料号 Part Number
0.047	19	13	7.5	0.6	MPA–473*0630DB0000
0.068	19	13.5	8.5	0.8	MPA–683*0630DB0000
0.1	27	13	8	0.6	MPA–104*0630DB0000
0.15	27	16	9	0.8	MPA–154*0630DB0000
0.22	33	17	10.5	0.8	MPA–224*0630DB0000
0.33	33	20	12.5	0.8	MPA–334*0630DB0000

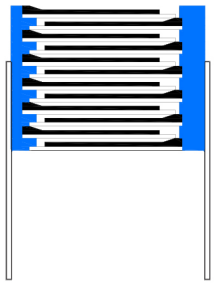
R.V.	630VDC / 250VAC				
Size / Cap (μF)	L	H	T	dØ ±0.05	料号 Part Number
0.47	33	22	14.5	0.8	MPA–474*0630DB0000
0.68	33	23	16	0.8	MPA–684*0630DB0000
1.0	38	25	17	0.8	MPA–105*0630DB0000
1.5	44	32	21	0.8	MPA–155*0630DB0000
2.2	44	37	23	0.8	MPA–225*0630DB0000

＊ 最大尺寸 Maximum dimensions (mm): L max = L+0.5 , H max = H+0.5 , T max = T+0.5

金属化聚丙烯薄膜电容器(MPPN)
METALLIZED POLYPROPYLENE FILM CAPACITOR–RADIAL(MPPN)

MPPN





金属化聚丙烯薄膜
Metallized Polypropylene Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡线
  Leads: Tinned Wire
- 外部涂层: 阻燃环氧树脂
  Outer Coating: Flame retarding epoxy resin

特点 Feature:

- 良好的自愈性
  Self–healing property
- 低杂音
  Low noise
- 材料符合ROHS
  Materials conform to ROHS
- 小型化
  Ultra–miniature size

推荐应用 Recommended Application:

- 功率因素校正(PFC)使用
  Power factor correction (PFC) usage

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–16		
额定电压 Rated Voltage	450VDC, 630VDC		
额定温度 Rated Temperature	–40°C ~ +85°C		
最大运行温度 Usable Upper Category Temperature	+110°C (Derating ratio of rated voltage to +85°C ~ +110°C: 1.5% per °C for Rated Voltage)		
容量范围 Capacitance Range	0.022μF ~ 2.2μF		
容量误差 Capacitance Tolerance	±5% (J), ±10% (K)		
损耗角正切 Dissipation Factor	KHz	C≦1.0μF	1.0μF＜C≦2.2μF
	1	≦0.1 %	≦0.1 %
	100	≦1.0 %	≦1.2 %
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at20°C± 5°C), Voltage charge time : 1 minute. Voltage charge : 100VDC. ≥30000MΩ for C ≤ 0.33μF, ≥10000MΩ×μF for C＞0.33μF		

耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C) 1.6 × V_R applied for 2sec. (cut off current 10mA)				
额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	10 mm	15 mm	22.5 mm	27.5 mm
	450VDC	220	160	100	-----
	630VDC	350	250	160	115

Cap. (μF) | **标准单位 (Size unit): mm**

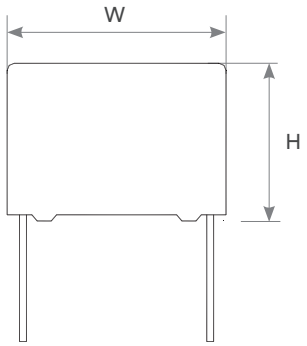
R.V.	450VDC / 200VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.047	13.0	8	4.5	10	0.6	MPPN473*0450DB*10*
0.068	13.0	10	5	10	0.6	MPPN683*0450DB*10*
0.1	13.0	10	5	10	0.6	MPPN104*0450DB*10*
0.15	13.0	11	5.5	10	0.6	MPPN154*0450DB*10*
0.22	13.0	11.5	6.5	10	0.6	MPPN224*0450DB*10*
0.33	13.0	13.5	8	10	0.6	MPPN334*0450DB*10*
0.47	13.0	16.5	7	10	0.6	MPPN474*0450DB*10*
0.22	18.0	10.5	5	15	0.8	MPPN224*0450DB*15*
0.33	18.0	11.5	6	15	0.8	MPPN334*0450DB*15*
0.47	18.0	14.5	5.5	15	0.8	MPPN474*0450DB*15*
0.56	18.0	15.5	6.5	15	0.8	MPPN564*0450DB*15*
0.68	18.0	16	7	15	0.8	MPPN684*0450DB*15*
1.0	18.0	17.5	8.5	15	0.8	MPPN105*0450DB*15*
1.5	25.5	18	9.5	22.5	0.8	MPPN155*0450DB*22*
2.2	25.5	21.5	10.5	22.5	0.8	MPPN225*0450DB*22*
3.3	25.5	24.5	13.5	22.5	0.8	MPPN335*0450DB*22*

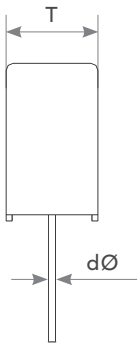
R.V.	630VDC / 220VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.022	13.0	10	4.5	10	0.6	MPPN223*0630DB*10*
0.033	13.0	11	5	10	0.6	MPPN333*0630DB*10*
0.047	13.0	11	5.5	10	0.6	MPPN473*0630DB*10*
0.068	13.0	12	6	10	0.6	MPPN683*0630DB*10*
0.1	13.0	13	7.5	15	0.6	MPPN104*0630DB*10*
0.1	18.0	11	5.5	15	0.8	MPPN104*0630DB*15*
0.22	18.0	16	7.5	15	0.8	MPPN224*0630DB*15*
0.33	18.0	17.5	8.5	15	0.8	MPPN334*0630DB*15*
0.47	18.0	18	12	15	0.8	MPPN474*0630DB*15*
0.68	26.0	19	10	22.5	0.8	MPPN684*0630DB*22*
1.0	26.0	22	11.5	22.5	0.8	MPPN105*0630DB*22*
1.5	26.0	24.5	14.5	22.5	0.8	MPPN155*0630DB*22*
1.0	31.0	19.5	10.5	27.5	0.8	MPPN105*0630DB*27*
1.5	31.0	22.5	13	27.5	0.8	MPPN155*0630DB*27*
2.2	31.0	27.5	15	27.5	0.8	MPPN225*0630DB*27*

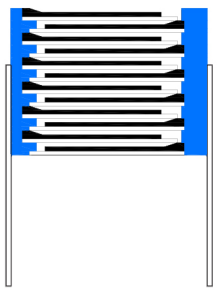
＊ 最大尺寸 Maximum dimensions (mm): W max = W+0.2

金属化聚丙烯薄膜电容器(MPBN)
METALLIZED POLYPROPYLENE FILM CAPACITOR–RADIAL(MPBN)

MPBN







金属化聚丙烯薄膜
Metallized Polypropylene Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡线
  Leads: Tinned Wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 良好的自愈性
  Self–healing property
- 低杂音
  Low noise
- 材料符合ROHS
  Materials conform to ROHS
- 小型化
  Ultra–miniature size

推荐应用 Recommended Application:

- 功率因素校正(PFC)使用
  Power factor correction (PFC) usage

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–16		
额定电压 Rated Voltage	450VDC, 630VDC		
额定温度 Rated Temperature	–40°C ~ +85°C		
最大运行温度 Usable Upper Category Temperature	+110°C (Derating ratio of rated voltage to +85°C ~ +110°C: 1.25% per °C for Rated Voltage)		
容量范围 Capacitance Range	0.01μF ~ 2.2μF		
容量误差 Capacitance Tolerance	±5% (J), ±10% (K)		
损耗角正切 Dissipation Factor	KHz	C≦1.0μF	1.0μF＜C≦2.2μF
	1	≦0.1 %	≦0.1 %
	100	≦1.0 %	≦1.2 %
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at20°C± 5°C), Voltage charge time : 1 minute. Voltage charge : 100VDC. ≥30000MΩ for C ≤ 0.33μF, ≥10000MΩ×μF for C＞0.33μF		

耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C) 1.6 × V_R applied for 2sec. (cut off current 10mA)			
额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	10 mm	15 mm	22.5 mm
	450VDC	220	160	100
	630VDC	350	250	160

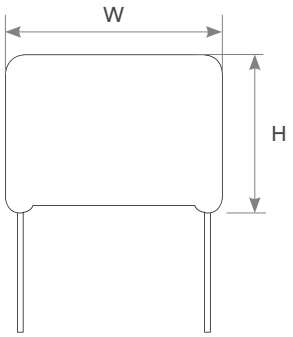
Cap. (μF) | **标准单位 (Size unit): mm**

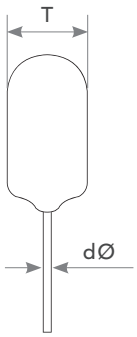
R.V.	450VDC / 200VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.047	13	9	4	10	0.6	MPBN473*0450DB*10*
0.068	13	9	4	10	0.6	MPBN683*0450DB*10*
0.1	13	10	5	10	0.6	MPBN104*0450DB*10*
0.15	13	11	5.5	10	0.6	MPBN154*0450DB*10*
0.22	13	12	6	10	0.6	MPBN224*0450DB*10*
0.33	13	14	8	10	0.6	MPBN334*0450DB*10*
0.15	18	11	5	15	0.8	MPBN154*0450DB*15*
0.22	18	11	5	15	0.8	MPBN224*0450DB*15*
0.33	18	12	6	15	0.8	MPBN334*0450DB*15*
0.47	18	13	7	15	0.8	MPBN474*0450DB*15*
0.68	18	14	8	15	0.8	MPBN684*0450DB*15*
1.0	18	17.5	7.5	15	0.8	MPBN105*0450DB*15*
1.5	18	19	10	15	0.8	MPBN155*0450DB*15*
1.0	26	17	8	22.5	0.8	MPBN105*0450DB*22*
1.5	26	18.5	10	22.5	0.8	MPBN155*0450DB*22*
2.2	26	22	12	22.5	0.8	MPBN225*0450DB*22*

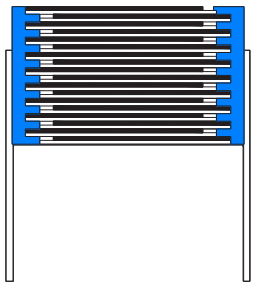
R.V.	630VDC / 220VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.01	13	9	4	10	0.6	MPBN103*0630DB*10*
0.015	13	9	4	10	0.6	MPBN153*0630DB*10*
0.022	13	9	4.5	10	0.6	MPBN223*0630DB*10*
0.033	13	11	5	10	0.6	MPBN333*0630DB*10*
0.047	13	12	6	10	0.6	MPBN473*0630DB*10*
0.068	13	12	7	10	0.6	MPBN683*0630DB*10*
0.1	13	14	8	10	0.6	MPBN104*0630DB*10*
0.068	18	11	5	15	0.8	MPBN683*0630DB*15*
0.1	18	12	6	15	0.8	MPBN104*0630DB*15*
0.15	18	13	7	15	0.8	MPBN154*0630DB*15*
0.22	18	14	8	15	0.8	MPBN224*0630DB*15*
0.33	18	18	9	15	0.8	MPBN334*0630DB*15*
0.47	18	19	11	15	0.8	MPBN474*0630DB*15*
0.33	26	16.5	7	22.5	0.8	MPBN334*0630DB*22*
0.47	26	18.5	8.5	22.5	0.8	MPBN474*0630DB*22*
0.68	26	19	10	22.5	0.8	MPBN684*0630DB*22*
1.0	26	22	12.5	22.5	0.8	MPBN105*0630DB*22*

金属化聚丙烯薄膜电容器(MPN2)
METALLIZED POLYPROPYLENE FILM CAPACITOR–RADIAL(MPN2)

MPN2







金属化聚丙烯薄膜
Metallized Polypropylene Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡线
  Leads: Tinned Wire
- 外部涂层: 阻燃环氧树脂
  Outer Coating: Flame retarding epoxy resin

特点 Feature:

- 良好的自愈性
  Self–healing property
- 低杂音
  Low noise
- 材料符合ROHS
  Materials conform to ROHS
- MPPN小型化
  Smaller version of MPPN type

推荐应用 Recommended Application:

- 功率因素校正(PFC)使用
  Power factor correction (PFC) usage

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–16		
额定电压 Rated Voltage	450VDC, 520VDC, 630VDC		
额定温度 Rated Temperature	–40°C ~ +85°C		
最大运行温度 Usable Upper Category Temperature	+110°C (Derating ratio of rated voltage to +85°C ~ +110°C: 1.5% per °C for Rated Voltage)		
容量范围 Capacitance Range	0.068μF ~ 2.2μF		
容量误差 Capacitance Tolerance	±5% (J), ±10% (K)		
损耗角正切 Dissipation Factor	KHz	C＜1.0μF	1.0μF≦C≦2.2μF
	1	≦0.1 %	≦0.15 %
	100	≦1.5 %	≦2.5 %
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at20°C± 5°C), Voltage charge time : 1 minute. Voltage charge : 100VDC. ≥20000MΩ for C ≤ 0.33μF, ≥9000MΩ×μF for C＞0.33μF		

耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C) 1.4 × V_R applied for 2sec. (cut off current 10mA)			
额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	10 mm	15 mm	22.5 mm
	450VDC	100	80	60
	520VDC	160	120	70
	630VDC	200	150	100

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	450VDC / 160VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.1	12.5	8	4	10	0.6	MPN2104*0450DB*10*
0.15	12.5	8.5	4.5	10	0.6	MPN2154*0450DB*10*
0.22	12.5	9	5	10	0.6	MPN2224*0450DB*10*
0.33	12.5	10.5	5.5	10	0.6	MPN2334*0450DB*10*
0.47	12.5	12	6.5	10	0.6	MPN2474*0450DB*10*
0.68	12.5	13	8	10	0.6	MPN2684*0450DB*10*
1	12.5	17	8	10	0.6	MPN2105*0450DB*10*
0.47	18	10	5	15	0.8	MPN2474*0450DB*15*
0.68	18	11	6	15	0.8	MPN2684*0450DB*15*
1	18	12.5	7	15	0.8	MPN2105*0450DB*15*
1.5	18	15	8	15	0.8	MPN2155*0450DB*15*
2.2	18	18	9	15	0.8	MPN2225*0450DB*15*
1	26	13.5	6.5	22.5	0.8	MPN2105*0450DB*22*
1.5	26	16	7.5	22.5	0.8	MPN2155*0450DB*22*
2.2	26	17.5	9	22.5	0.8	MPN2225*0450DB*22*

＊ 最大尺寸 Maximum dimensions (mm): W max = W+0.2

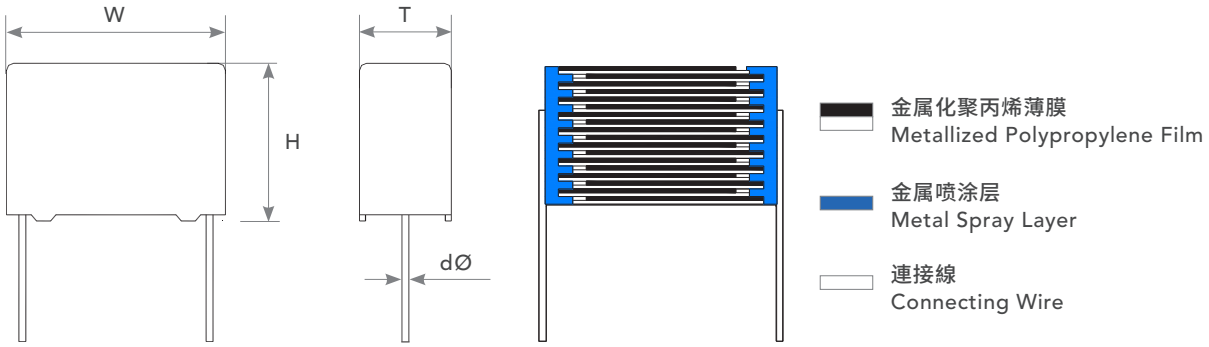
R.V.	520VDC / 200VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.1	12.5	8	4	10	0.6	MPN2104*0520DB*10*
0.15	12.5	9	5	10	0.6	MPN2154*0520DB*10*
0.22	12.5	10	6	10	0.6	MPN2224*0520DB*10*
0.33	12.5	12	6.5	10	0.6	MPN2334*0520DB*10*
0.47	12.5	13	7.5	10	0.6	MPN2474*0520DB*10*
0.68	12.5	15.5	8.5	10	0.6	MPN2684*0520DB*10*
0.22	18	10	5	15	0.8	MPN2224*0520DB*15*
0.33	18	10.5	5.5	15	0.8	MPN2334*0520DB*15*
0.47	18	11.5	6	15	0.8	MPN2474*0520DB*15*
0.68	18	13	7	15	0.8	MPN2684*0520DB*15*
1	18	15	8	15	0.8	MPN2105*0520DB*15*
1.5	18	18	9.5	15	0.8	MPN2155*0520DB*15*
2.2	18	19.5	12	15	0.8	MPN2225*0520DB*15*
0.68	26	13	6	22.5	0.8	MPN2684*0520DB*22*
1	26	14.5	7	22.5	0.8	MPN2105*0520DB*22*
1.5	26	16	9	22.5	0.8	MPN2155*0520DB*22*
2.2	26	18	11	22.5	0.8	MPN2225*0520DB*22*

R.V.	630VDC / 200VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.068	12.5	8	4.5	10	0.6	MPN2683*0630*10*
0.1	12.5	9	5	10	0.6	MPN2104*0630*10*
0.15	12.5	10.5	5.5	10	0.6	MPN2154*0630*10*
0.22	12.5	12	6.5	10	0.6	MPN2224*0630*10*
0.33	12.5	13	8.5	10	0.6	MPN2334*0630*10*
0.15	18	10	5.5	15	0.8	MPN2154*0630*15*
0.22	18	10	5.5	15	0.8	MPN2224*0630*15*
0.33	18	11	6	15	0.8	MPN2334*0630*15*
0.47	18	12	7	15	0.8	MPN2474*0630*15*
0.68	18	14	8	15	0.8	MPN2684*0630*15*
1	18	16.5	9.5	15	0.8	MPN2105*0630*15*
0.47	26	11.5	6	22.5	0.8	MPN2474*0630*22*
0.68	26	14	7	22.5	0.8	MPN2684*0630*22*
1	26	15	8	22.5	0.8	MPN2105*0630*22*
1.5	26	17	10	22.5	0.8	MPN2155*0630*22*
2.2	26	19.5	12	22.5	0.8	MPN2225*0630*22*

＊ 最大尺寸 Maximum dimensions (mm): W max = W+0.2

金属化聚丙烯薄膜电容器(MPN3)
METALLIZED POLYPROPYLENE FILM CAPACITOR–RADIAL (MPN3)

MPN3



结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡线
  Leads: Tinned Wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 良好的自愈性
  Self–healing property
- 低杂音
  Low noise
- 材料符合ROHS
  Materials conform to ROHS
- MPBN小型化
  Smaller version of MPBN type

推荐应用 Recommended Application:

- 功率因素校正(PFC)使用
  Power factor correction (PFC) usage

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–16		
额定电压 Rated Voltage	450VDC, 520VDC, 630VDC		
额定温度 Rated Temperature	–40°C ~ +85°C		
最大运行温度 Usable Upper Category Temperature	+110°C (Derating ratio of rated voltage to +85°C ~ +110°C: 1.5% per °C for Rated Voltage)		
容量范围 Capacitance Range	0.068μF ~ 2.2μF		
容量误差 Capacitance Tolerance	±5% (J), ±10% (K)		
损耗角正切 Dissipation Factor	KHz	C＜1.0μF	1.0μF≦C≦2.2μF
	1	≦0.1 %	≦0.15 %
	100	≦1.5 %	≦2.5 %
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at20°C± 5°C), Voltage charge time : 1 minute. Voltage charge : 100VDC. ≥20000MΩ for C ≤ 0.33μF, ≥9000MΩ×μF for C＞0.33μF		

耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C) 1.4 × V_R applied for 2sec. (cut off current 10mA)		
额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	10 mm	15 mm	22.5 mm
	450VDC	100	80	60
	520VDC	160	120	70
	630VDC	200	150	100

Cap. (μF) | **标准单位 (Size unit): mm**

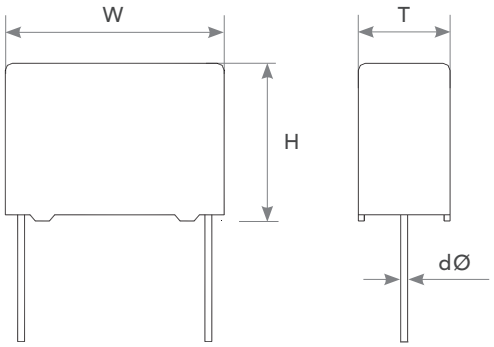
R.V.	450VDC / 160VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.1	13	9	4	10	0.6	MPN3104*0450DB*10*
0.15	13	9	4	10	0.6	MPN3154*0450DB*10*
0.22	13	10	5	10	0.6	MPN3224*0450DB*10*
0.33	13	11	5.5	10	0.6	MPN3334*0450DB*10*
0.47	13	13	6	10	0.6	MPN3474*0450DB*10*
0.68	13	14	8	10	0.6	MPN3684*0450DB*10*
1	13	17	8	10	0.6	MPN3105*0450DB*10*
0.47	18	11	5	15	0.8	MPN3474*0450DB*15*
0.68	18	12	6	15	0.8	MPN3684*0450DB*15*
1	18	13	7	15	0.8	MPN3105*0450DB*15*
1.5	18	17	8	15	0.8	MPN3155*0450DB*15*
2.0	18	18	9	15	0.8	MPN3205*0450DB*15*
2.2	18	18	10	15	0.8	MPN3225*0450DB*15*
1	26	15	6	22.5	0.8	MPN3105*0450DB*22*
1.5	26	16.5	7	22.5	0.8	MPN3105*0450DB*22*
2.2	26	18	9	22.5	0.8	MPN3105*0450DB*22*

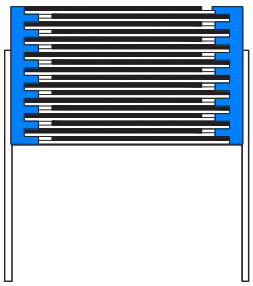
R.V.	520VDC / 200VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.1	13	9	4	10	0.6	MPN3104*0520DB*10*
0.15	13	10	5	10	0.6	MPN3154*0520DB*10*
0.22	13	11	5.5	10	0.6	MPN3224*0520DB*10*
0.33	13	12	6	10	0.6	MPN3334*0520DB*10*
0.47	13	13	7	10	0.6	MPN3474*0520DB*10*
0.68	13	15.5	8	10	0.6	MPN3684*0520DB*10*
0.22	18	11	5	15	0.8	MPN3224*0520DB*15*
0.33	18	11	5	15	0.8	MPN3334*0520DB*15*
0.47	18	12	6	15	0.8	MPN3474*0520DB*15*
0.68	18	13	7	15	0.8	MPN3684*0520DB*15*
1	18	15.5	8	15	0.8	MPN3105*0520DB*15*
1.5	18	18	9	15	0.8	MPN3155*0520DB*15*
2.2	18	19	12.5	15	0.8	MPN3225*0520DB*15*
0.68	26	15	6	22.5	0.8	MPN3684*0520DB*22*
1	26	16.5	7	22.5	0.8	MPN3105*0520DB*22*
1.5	26	18	9	22.5	0.8	MPN3155*0520DB*22*
2.2	26	20	11	22.5	0.8	MPN3225*0520DB*22*

R.V.	630VDC / 200VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.068	13	9	4	10	0.6	MPN3683*0630DB*10*
0.1	13	10	5	10	0.6	MPN3104*0630DB*10*
0.15	13	11	5.5	10	0.6	MPN3154*0630DB*10*
0.22	13	13	6	10	0.6	MPN3224*0630DB*10*
0.33	13	14	8	10	0.6	MPN3334*0630DB*10*
0.15	18	11	5	15	0.8	MPN3154*0630DB*15*
0.22	18	11	5	15	0.8	MPN3224*0630DB*15*
0.33	18	12	6	15	0.8	MPN3334*0630DB*15*
0.47	18	13	7	15	0.8	MPN3474*0630DB*15*
0.68	18	15.5	8	15	0.8	MPN3684*0630DB*15*
1	18	18	9	15	0.8	MPN3105*0630DB*15*
0.47	26	14.5	6	22.5	0.8	MPN3474*0630DB*22*
0.68	26	16.5	7	22.5	0.8	MPN3684*0630DB*22*
1	26	17	8	22.5	0.8	MPN3105*0630DB*22*
1.5	26	19	10	22.5	0.8	MPN3155*0630DB*22*
2.2	26	22	12	22.5	0.8	MPN3225*0630DB*22*

金属化聚丙烯薄膜电容器(HPN3)
METALLIZED POLYPROPYLENE FILM CAPACITOR–RADIAL(HPN3)

HPN3





金属化聚丙烯薄膜
Metallized Polypropylene Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡线
  Leads: Tinned Wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 良好的自愈性
  Self–healing property
- 低杂音
  Low noise
- 材料符合ROHS
  Materials conform to ROHS

推荐应用 Recommended Application:

- 功率因素校正(PFC)使用
  Power factor correction (PFC) usage

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–16		
额定电压 Rated Voltage	450VDC, 520VDC, 630VDC		
额定温度 Rated Temperature	–40°C ~ +85°C		
最大运行温度 Usable Upper Category Temperature	+125°C (Derating ratio of rated voltage to +85°C ~ +125°C: 1.5% per °C for Rated Voltage)		
容量范围 Capacitance Range	0.22μF ~2.2μF		
容量误差 Capacitance Tolerance	±5% (J), ±10% (K)		
损耗角正切 Dissipation Factor	KHz	C＜1.0μF	1.0μF≦C≦2.2μF
	1	≦0.1 %	≦0.15 %
	100	≦1.5 %	≦2.5 %
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at20°C± 5°C), Voltage charge time : 1 minute. Voltage charge : 100VDC. ≥20000MΩ for C ≤ 0.33μF, ≥9000MΩ×μF for C＞0.33μF		

耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C) 1.4 × V_R applied for 2sec. (cut off current 10mA)	
额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	15 mm
	450VDC	80
	520VDC	120
	630VDC	150

Cap. (μF) | **标准单位 (Size unit): mm**

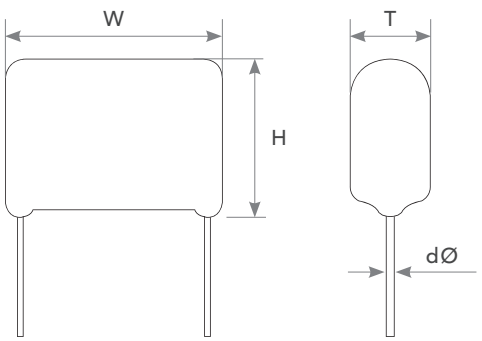
R.V.	450VDC / 160VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.47	18	11	5	15	0.8	HPN3474*0450DB*15*
0.68	18	12	6	15	0.8	HPN3684*0450DB*15*
1	18	13	7	15	0.8	HPN3105*0450DB*15*
1.5	18	17	8	15	0.8	HPN3155*0450DB*15*
2.0	18	18	9	15	0.8	HPN3205*0450DB*15*
2.2	18	18	10	15	0.8	HPN3225*0450DB*15*

R.V.	520VDC / 200VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.33	18	12	6	15	0.8	HPN3334*0520DB*15*
0.47	18	13	7	15	0.8	HPN3474*0520DB*15*
0.68	18	14.5	8.5	15	0.8	HPN3684*0520DB*15*
1	18	18	9	15	0.8	HPN3105*0520DB*15*
1.5	18	19	11	15	0.8	HPN3155*0520DB*15*

R.V.	630VDC / 200VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.22	18	12	6	15	0.8	HPN3224*0630DB*15*
0.33	18	13	7	15	0.8	HPN3334*0630DB*15*
0.47	18	14	8	15	0.8	HPN3474*0630DB*15*
0.68	18	18	9	15	0.8	HPN3684*0630DB*15*
1	18	19	11	15	0.8	HPN3105*0630DB*15*

金属化聚丙烯薄膜电容器(MP2)
METALLIZED POLYPROPYLENE FILM CAPACITOR–RADIAL(MP2)

MP2





双面金属化聚酯薄膜
Double sided metallized polyester film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 电极: 双面金属化聚酯薄膜
  Electrodes: Double sided metallized polyester film
- 绕卷: 无感式&内部串联连接
  Winding: non–inductive type&Internal series connection
- 导线: 镀锡线
  Leads: Tinned Wire
- 外部涂层: 阻燃环氧树脂
  Outer coating: Flame retardant epoxy resin

特点 Feature:

- 高频下低损耗
  Low Dissipation Factor at high frequency
- 优良电晕电压
  Excellent corona voltage
- 非常高脉冲强度
  Very high pulse strength

推荐应用 Recommended Application:

- 电子照明(镇流器和汽车前照灯)
  Electronic lighting (ballast & car headlamp)
- 开关电源电路
  Switching power supply circuits
- 高交流电压和高电流脉冲应用
  Pulse applications with high AC voltage and high Current

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–17	
额定电压 Rated Voltage	300VAC (800VDC)，400VAC (1200VDC)，500VAC (1600VDC), 700VAC (2000VDC)，900VAC (2200VDC)	
额定温度 Rated Temperature	~+85°C for V_R(DC)，~+105°C for V_R(AC)	
最大运行温度 Usable Upper Category Temperature	+110°C	Derating ratio of rated voltage V_R(DC) to +85°C~+110°C: 1.25% per °C for Rated Voltage V_R(DC) Derating ratio of rated voltage V_R(AC) to +105°C~+110°C: 1.25% per °C for Rated Voltage V_R(AC)
容量范围 Capacitance Range	0.001μF~0.1μF	
容量误差 Capacitance Tolerance	±2% (G)，±3% (H)，±5% (J)	
损耗角正切 Dissipation Factor	0.05% at 1Khz (C≦0.1uF) 0.10% at 100Khz (C≦0.1uF)	
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at20°C± 5°C), ≥50000MΩ for C ≤0.1μF at 100VDC x 1 minute	

耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C), 1.6 × V_R applied for 2sec.					
额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch \ V_R	300 VAC	400 VAC	500 VAC	700 VAC	900 VAC
	15 mm	3000	3400	5000	9500	———
	22.5 mm	1500	2200	3000	5000	10000

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	300VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.01	18	10.5	4.5	15	0.8	MP2–103*0300AB*15*
0.012	18	10.5	5	15	0.8	MP2–123*0300AB*15*
0.015	18	11.5	5.5	15	0.8	MP2–153*0300AB*15*
0.018	18	12	6	15	0.8	MP2–183*0300AB*15*
0.022	18	12.5	7	15	0.8	MP2–223*0300AB*15*
0.027	18	13	7.5	15	0.8	MP2–273*0300AB*15*
0.033	18	14	8.5	15	0.8	MP2–333*0300AB*15*
0.039	18	15	9	15	0.8	MP2–393*0300AB*15*
0.047	18	15.5	10	15	0.8	MP2–473*0300AB*15*
0.056	18	15.5	10	15	0.8	MP2–563*0300AB*15*
0.068	26	16.5	8	22.5	0.8	MP2–683*0300AB*22*
0.082	26	17.5	8.5	22.5	0.8	MP2–823*0300AB*22*
0.1	26	18.5	9.5	22.5	0.8	MP2–104*0300AB*22*

＊ 最大尺寸 Maximum dimensions (mm): W max = W+0.2

R.V.	400VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.001	13	8	4	10	0.6	MP2–102*0400AB*10*
0.0012	13	8	4	10	0.6	MP2–122*0400AB*10*
0.0015	13	8.5	4.5	10	0.6	MP2–152*0400AB*10*
0.0018	13	10	4.5	10	0.6	MP2–182*0400AB*10*
0.0022	13	10.5	5	10	0.6	MP2–222*0400AB*10*
0.0027	13	10.5	5	10	0.6	MP2–272*0400AB*10*
0.0033	13	11	5.5	10	0.6	MP2–332*0400AB*10*
0.0039	13	12	6	10	0.6	MP2–392*0400AB*10*
0.0047	13	12.5	7	10	0.6	MP2–472*0400AB*10*
0.0056	13	13	7.5	10	0.6	MP2–562*0400AB*10*
0.0068	18	11	5	15	0.8	MP2–682*0400AB*15*
0.0082	18	11.5	5.5	15	0.8	MP2–822*0400AB*15*
0.01	18	12	6	15	0.8	MP2–103*0400AB*15*
0.012	18	12.5	6.5	15	0.8	MP2–123*0400AB*15*
0.015	18	13	7.5	15	0.8	MP2–153*0400AB*15*
0.018	18	14	8	15	0.8	MP2–183*0400AB*15*
0.022	18	15	9	15	0.8	MP2–223*0400AB*15*
0.027	18	16	10	15	0.8	MP2–273*0400AB*15*
0.033	26	15.5	7	22.5	0.8	MP2–333*0400AB*22*
0.039	26	16.5	7.5	22.5	0.8	MP2–393*0400AB*22*
0.047	26	17	8.5	22.5	0.8	MP2–473*0400AB*22*
0.056	26	18	9	22.5	0.8	MP2–563*0400AB*22*
0.068	26	19	10.5	22.5	0.8	MP2–683*0400AB*22*
0.082	26	19	10.5	22.5	0.8	MP2–823*0400AB*22*
0.1	26	20.5	11.5	22.5	0.8	MP2–104*0400AB*22*

Cap. (μF) | 标准单位 (Size unit): mm

R.V.	500VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.001	18	10	4.5	15	0.8	MP2–102*0500AB*15*
0.0012	18	10.5	5	15	0.8	MP2–122*0500AB*15*
0.0015	18	10.5	5	15	0.8	MP2–152*0500AB*15*
0.0018	18	10.5	5	15	0.8	MP2–182*0500AB*15*
0.0022	18	10.5	5.5	15	0.8	MP2–222*0500AB*15*
0.0027	18	10.5	5.5	15	0.8	MP2–272*0500AB*15*
0.0033	18	11	5.5	15	0.8	MP2–332*0500AB*15*
0.0039	18	11	5.5	15	0.8	MP2–392*0500AB*15*
0.0047	18	11	5.5	15	0.8	MP2–472*0500AB*15*
0.0056	18	11.5	6	15	0.8	MP2–562*0500AB*15*
0.0068	18	12	6.5	15	0.8	MP2–682*0500AB*15*
0.0082	18	12.5	7	15	0.8	MP2–822*0500AB*15*
0.01	18	13.5	7.5	15	0.8	MP2–103*0500AB*15*
0.012	18	14	8.5	15	0.8	MP2–123*0500AB*15*
0.015	18	15	9.5	15	0.8	MP2–153*0500AB*15*
0.018	26	15	6.5	22.5	0.8	MP2–183*0500AB*22*
0.022	26	16	7	22.5	0.8	MP2–223*0500AB*22*
0.027	26	16.5	8	22.5	0.8	MP2–273*0500AB*22*

R.V.	700VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.001	18	10	4.5	15	0.8	MP2–102*0700AB*15*
0.0012	18	10.5	5	15	0.8	MP2–122*0700AB*15*
0.0015	18	10.5	5	15	0.8	MP2–152*0700AB*15*
0.0018	18	11	5	15	0.8	MP2–182*0700AB*15*
0.0022	18	11.5	5.5	15	0.8	MP2–222*0700AB*15*
0.0027	18	12	6	15	0.8	MP2–272*0700AB*15*
0.0033	18	12	6.5	15	0.8	MP2–332*0700AB*15*
0.0039	18	13	7.5	15	0.8	MP2–392*0700AB*15*
0.0047	18	14	8	15	0.8	MP2–472*0700AB*15*
0.0056	18	14.5	9	15	0.8	MP2–562*0700AB*15*
0.0068	18	15	9	15	0.8	MP2–682*0700AB*15*
0.0082	26	15	6	22.5	0.8	MP2–822*0700AB*22*
0.01	26	15.5	7	22.5	0.8	MP2–103*0700AB*22*
0.012	26	16.5	7.5	22.5	0.8	MP2–123*0700AB*22*
0.015	26	17.5	8.5	22.5	0.8	MP2–153*0700AB*22*
0.018	26	18.5	9.5	22.5	0.8	MP2–183*0700AB*22*
0.022	26	18.5	9.5	22.5	0.8	MP2–223*0700AB*22*
0.027	26	19.5	11	22.5	0.8	MP2–273*0700AB*22*

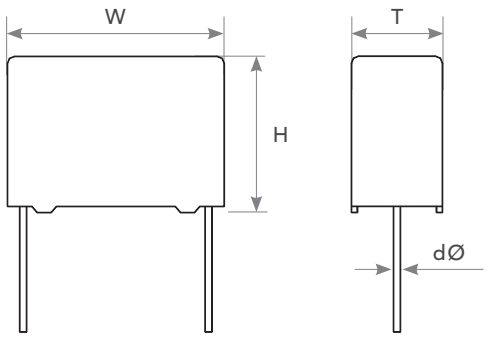
R.V.	900VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.001	26	12	5	22.5	0.8	MP2–102*0900AB*22*
0.0012	26	12.5	5	22.5	0.8	MP2–122*0900AB*22*
0.0015	26	13.5	5.5	22.5	0.8	MP2–152*0900AB*22*
0.0018	26	13.5	6	22.5	0.8	MP2–182*0900AB*22*
0.0022	26	13.5	6	22.5	0.8	MP2–222*0900AB*22*
0.0027	26	13.5	6	22.5	0.8	MP2–272*0900AB*22*
0.0033	26	13.5	6.5	22.5	0.8	MP2–332*0900AB*22*
0.0039	26	13.5	6.5	22.5	0.8	MP2–392*0900AB*22*
0.0047	26	13.5	6.5	22.5	0.8	MP2–472*0900AB*22*

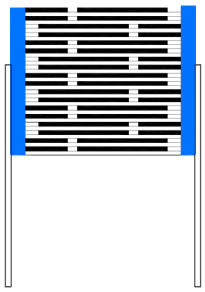
R.V.	900VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.0056	26	14	6.5	22.5	0.8	MP2–562*0900AB*22*
0.0068	26	14	7.5	22.5	0.8	MP2–682*0900AB*22*
0.0082	26	16	7.5	22.5	0.8	MP2–822*0900AB*22*
0.01	26	17	8	22.5	0.8	MP2–103*0900AB*22*
0.012	26	18	9	22.5	0.8	MP2–123*0900AB*22*
0.015	26	19	10	22.5	0.8	MP2–153*0900AB*22*
0.018	26	20	11.5	22.5	0.8	MP2–183*0900AB*22*

＊ 最大尺寸 Maximum dimensions (mm): W max = W+0.2

金属化聚丙烯薄膜电容器(MP3)
METALLIZED POLYPROPYLENE FILM CAPACITOR–RADIAL(MP3)

MP3





双面金属化聚酯薄膜
Double sided metallized polyester film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 电极: 双面金属化聚酯薄膜
  Electrodes: Double sided metallized polyester film
- 绕卷: 无感式&内部串联连接
  Winding: non–inductive type&ntermal series connection
- 导线: 镀锡线
  Leads: Tinned Wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 高频下低损耗
  Low Dissipation Factor at high frequency
- 优良电晕电压
  Excellent corona voltage
- 极高脉冲强度
  Very high pulse strength
- 小型尺寸
  Small in size

推荐应用 Recommended Application:

- 电子照明(镇流器和汽车前照灯)
  Electronic lighting (ballast & car headlamp)
- 开关电源电路
  Switching power supply circuits
- 高交流电压和高电流脉冲应用
  Pulse applications with high AC voltage and high Current

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–17	
额定电压 Rated Voltage	300VAC (800VDC)，400VAC (1200VDC)，500VAC (1600VDC), 700VAC (2000VDC)，900VAC (2200VDC)	
额定温度 Rated Temperature	~+85°C for V_R(DC)，~+105°C for V_R(AC)	
最大运行温度 Usable Upper Category Temperature	+110°C	Derating ratio of rated voltage V_R(DC) to +85°C~+110°C: 1.25% per °C for Rated Voltage V_R(DC) Derating ratio of rated voltage V_R(AC) to +105°C~+110°C: 1.25% per °C for Rated Voltage V_R(AC)
容量范围 Capacitance Range	0.001μF~0.1μF	
容量误差 Capacitance Tolerance	±2% (G)，±3% (H)，±5% (J)	
损耗角正切 Dissipation Factor	0.05% at 1Khz (C≦0.1 uF) 0.10% at 100Khz (C≦0.1 uF)	
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at20°C± 5°C), ≥50000MΩ for C ≤0.1μF at 100VDC x 1 minute	

耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C), 1.6 × V_R applied for 2sec.				
额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	V_R / Pitch	300 VAC	400 VAC	500 VAC	700 VAC	900 VAC
	15 mm	3000	3400	5000	9500	———
	22.5 mm	1500	2200	3000	5000	10000

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	300VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.01	18	11	5	15	0.8	MP3–103*0300AB*15*
0.012	18	11	5	15	0.8	MP3–123*0300AB*15*
0.015	18	11	5	15	0.8	MP3–153*0300AB*15*
0.018	18	12	6	15	0.8	MP3–183*0300AB*15*
0.022	18	13.5	7.5	15	0.8	MP3–223*0300AB*15*
0.027	18	13.5	7.5	15	0.8	MP3–273*0300AB*15*
0.033	18	13.5	7.5	15	0.8	MP3–333*0300AB*15*
0.039	18	14.5	8.5	15	0.8	MP3–393*0300AB*15*
0.047	18	16.5	10	15	0.8	MP3–473*0300AB*15*
0.056	18	16.5	10	15	0.8	MP3–563*0300AB*15*
0.056	26	16.5	7	22.5	0.8	MP3–563*0300AB*22*
0.068	26	16.5	7	22.5	0.8	MP3–683*0300AB*22*
0.082	26	17	8.5	22.5	0.8	MP3–823*0300AB*22*
0.1	26	19	10	22.5	0.8	MP3–104*0300AB*22*

R.V.	400VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.001	13	9	4	10	0.6	MP3–102*0400AB*10*
0.0012	13	9	4	10	0.6	MP3–122*0400AB*10*
0.0015	13	9	4	10	0.6	MP3–152*0400AB*10*
0.0018	13	11	5	10	0.6	MP3–182*0400AB*10*
0.0022	13	11	5	10	0.6	MP3–222*0400AB*10*
0.0027	13	11	5	10	0.6	MP3–272*0400AB*10*
0.0033	13	11	5	10	0.6	MP3–332*0400AB*10*
0.0039	13	12	6	10	0.6	MP3–392*0400AB*10*
0.0047	13	13	7	10	0.6	MP3–472*0400AB*10*
0.0056	13	13	7	10	0.6	MP3–562*0400AB*10*
0.0068	18	11	5	15	0.8	MP3–682*0400AB*15*
0.0082	18	11	5	15	0.8	MP3–822*0400AB*15*
0.01	18	12	6	15	0.8	MP3–103*0400AB*15*
0.012	18	12	6	15	0.8	MP3–123*0400AB*15*
0.015	18	13.5	7.5	15	0.8	MP3–153*0400AB*15*
0.018	18	13.5	7.5	15	0.8	MP3–183*0400AB*15*
0.022	18	14.5	8.5	15	0.8	MP3–223*0400AB*15*
0.027	18	16.5	10	15	0.8	MP3–273*0400AB*15*
0.033	26	16.5	7	22.5	0.8	MP3–333*0400AB*22*
0.039	26	16.5	7	22.5	0.8	MP3–393*0400AB*22*
0.047	26	17	8.5	22.5	0.8	MP3–473*0400AB*22*
0.056	26	19	10	22.5	0.8	MP3–563*0400AB*22*
0.068	26	19	10	22.5	0.8	MP3–683*0400AB*22*
0.082	26	19	10	22.5	0.8	MP3–823*0400AB*22*
0.1	26	20	11	22.5	0.8	MP3–104*0400AB*22*

Cap. (μF) | 标准单位 (Size unit): mm

R.V.	500VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.001	18	11	5	15	0.8	MP3–102*0500AB*15*
0.0012	18	11	5	15	0.8	MP3–122*0500AB*15*
0.0015	18	11	5	15	0.8	MP3–152*0500AB*15*
0.0018	18	11	5	15	0.8	MP3–182*0500AB*15*
0.0022	18	11	5	15	0.8	MP3–222*0500AB*15*
0.0027	18	11	5	15	0.8	MP3–272*0500AB*15*
0.0033	18	11	5	15	0.8	MP3–332*0500AB*15*
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0.0068	18	12	6	15	0.8	MP3–682*0500AB*15*
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0.018	26	15	6	22.5	0.8	MP3–183*0500AB*22*
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0.027	26	17	8.5	22.5	0.8	MP3–273*0500AB*22*

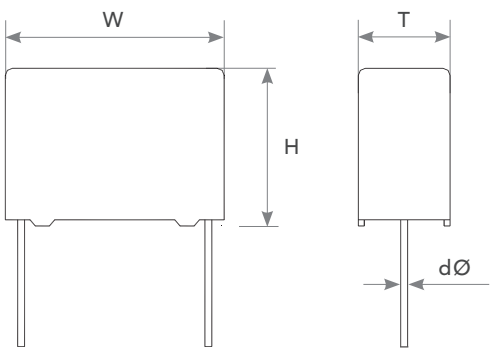
R.V.	700VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.001	18	11	5	15	0.8	MP3–102*0700AB*15*
0.0012	18	11	5	15	0.8	MP3–122*0700AB*15*
0.0015	18	11	5	15	0.8	MP3–152*0700AB*15*
0.0018	18	11	5	15	0.8	MP3–182*0700AB*15*
0.0022	18	11	5	15	0.8	MP3–222*0700AB*15*
0.0027	18	12	6	15	0.8	MP3–272*0700AB*15*
0.0033	18	12	6	15	0.8	MP3–332*0700AB*15*
0.0039	18	13.5	7.5	15	0.8	MP3–392*0700AB*15*
0.0047	18	13.5	7.5	15	0.8	MP3–472*0700AB*15*
0.0056	18	14.5	8.5	15	0.8	MP3–562*0700AB*15*
0.0068	18	14.5	8.5	15	0.8	MP3–682*0700AB*15*
0.0082	26	15	6	22.5	0.8	MP3–822*0700AB*22*
0.01	26	16.5	7	22.5	0.8	MP3–103*0700AB*22*
0.012	26	16.5	7	22.5	0.8	MP3–123*0700AB*22*
0.015	26	17	8.5	22.5	0.8	MP3–153*0700AB*22*
0.018	26	19	10	22.5	0.8	MP3–183*0700AB*22*
0.022	26	19	10	22.5	0.8	MP3–223*0700AB*22*
0.027	26	20	11	22.5	0.8	MP3–273*0700AB*22*

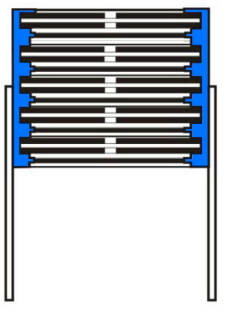
R.V.	900VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.001	26	13.5	6	22.5	0.8	MP3–102*0900AB*22*
0.0012	26	13.5	6	22.5	0.8	MP3–122*0900AB*22*
0.0015	26	13.5	6	22.5	0.8	MP3–152*0900AB*22*
0.0018	26	13.5	6	22.5	0.8	MP3–182*0900AB*22*
0.0022	26	13.5	6	22.5	0.8	MP3–222*0900AB*22*
0.0027	26	13.5	6	22.5	0.8	MP3–272*0900AB*22*
0.0033	26	13.5	6	22.5	0.8	MP3–332*0900AB*22*
0.0039	26	13.5	6	22.5	0.8	MP3–392*0900AB*22*
0.0047	26	13.5	6	22.5	0.8	MP3–472*0900AB*22*

R.V.	900VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.0056	26	13.5	6	22.5	0.8	MP3–562*0900AB*22*
0.0068	26	16.5	7	22.5	0.8	MP3–682*0900AB*22*
0.0082	26	16.5	7	22.5	0.8	MP3–822*0900AB*22*
0.01	26	17	8.5	22.5	0.8	MP3–103*0900AB*22*
0.012	26	19	10	22.5	0.8	MP3–123*0900AB*22*
0.015	26	19	10	22.5	0.8	MP3–153*0900AB*22*
0.018	26	20	10	22.5	0.8	MP3–183*0900AB*22*

金属化聚丙烯薄膜电容器(MP3S)
METALLIZED POLYPROPYLENE FILM CAPACITOR–RADIAL(MP3S)

MP3S





双面金属化聚酯薄膜
Double side metallized polyester film

金属化聚丙烯薄膜
Metallized Polypropylene Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 电极: 双面金属化聚酯薄膜
  Electrodes: Double sided metallized polyester film
- 绕卷: 无感式&内部串联连接
  Winding: non–inductive type&ntermal series connection
- 导线: 镀锡线
  Leads: Tinned Wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 高频下低损耗
  Low Dissipation Factor at high frequency
- 优良电晕电压
  Excellent corona voltage
- 极高脉冲强度
  Very high pulse strength
- 小型尺寸
  Small in size

推荐应用 Recommended Application:

- 电子照明(镇流器和汽车前照灯)
  Electronic lighting (ballast & car headlamp)
- 开关电源电路
  Switching power supply circuits
- 高交流电压和高电流脉冲应用
  Pulse applications with high AC voltage and high Current

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–16	
额定电压 Rated Voltage	400VDC (250VAC)，630VDC (400VAC)，1000VDC (600VAC), 1600VDC (650VAC)，2000VDC (700VAC)	
额定温度 Rated Temperature	~+85°C for V_R(DC)，~+75°C for V_R(AC)	
最大运行温度 Usable Upper Category Temperature	+110°C	(Derating ratio of rated voltage to +85°C~+110°C: 1.25% per °C for Rated Voltage(DC)) (Derating ratio of rated voltage to +75°C~+110°C: 1.35% per °C for Rated Voltage(AC))
容量范围 Capacitance Range	0.001μF~1.5μF	
容量误差 Capacitance Tolerance	±2% (G)，±3% (H)，±5% (J)，±10% (K)	

损耗角正切 Dissipation Factor	KHz	C≦0.1μF	0.1μF＜C≦1.0μF	1.0μF≦C
	1	≦0.05 %	≦0.05 %	≦0.05 %
	10	≦0.06 %	≦0.07 %	≦1.0 %
	100	≦0.15 %	≦0.25 %	≦0.5 %
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at25°C± 5°C), Voltage charge time: 1minute. Voltage charge: 100VDC ⩾50000MΩ for C ⩽0.1μF, ⩾10000MΩxμF for C ＞0.1μF			
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C), 1.6 × V_R applied for 2sec. (cut off current 10mA)			

额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	10 mm	15 mm	22.5 mm	27.5 mm
	400 VDC	1500	900	500	300
	630 VDC	3000	2500	1500	900
	1000 VDC	4800	3300	2100	1000
	1600 VDC	------	6000	3000	2000
	2000 VDC	------	9500	3500	2300

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	400VDC / 250VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.01	13	9	4	10	0.6	MP3S103*0400DB*10*
0.012	13	9	4	10	0.6	MP3S123*0400DB*10*
0.015	13	9	4	10	0.6	MP3S153*0400DB*10*
0.018	13	9	4	10	0.6	MP3S183*0400DB*10*
0.022	13	10	5	10	0.6	MP3S223*0400DB*10*
0.027	13	11	5	10	0.6	MP3S273*0400DB*10*
0.033	13	11	5	10	0.6	MP3S333*0400DB*10*
0.039	13	12	6	10	0.6	MP3S393*0400DB*10*
0.047	13	12	6	10	0.6	MP3S473*0400DB*10*
0.056	13	12	6	10	0.6	MP3S563*0400DB*10*
0.047	18	11	5	15	0.8	MP3S473*0400DB*15*
0.056	18	11	5	15	0.8	MP3S563*0400DB*15*
0.068	18	12	6	15	0.8	MP3S683*0400DB*15*
0.082	18	12	6	15	0.8	MP3S823*0400DB*15*
0.1	18	13	7	15	0.8	MP3S104*0400DB*15*
0.12	18	13.5	7.5	15	0.8	MP3S124*0400DB*15*

R.V.	400VDC / 250VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.15	18	14.5	8.5	15	0.8	MP3S154*0400DB*15*
0.18	18	16	9	15	0.8	MP3S184*0400DB*15*
0.22	18	16	10	15	0.8	MP3S224*0400DB*15*
0.27	18	19	11	15	0.8	MP3S274*0400DB*15*
0.33	18	21	12	15	0.8	MP3S334*0400DB*15*
0.1	26	15	6	22.5	0.8	MP3S104*0400DB*22*
0.12	26	15	6	22.5	0.8	MP3S124*0400DB*22*
0.15	26	15	6	22.5	0.8	MP3S154*0400DB*22*
0.18	6	15	6	22.5	0.8	MP3S184*0400DB*22*
0.22	26	16	7	22.5	0.8	MP3S224*0400DB*22*
0.27	26	17	8	22.5	0.8	MP3S274*0400DB*22*
0.33	26	17	9	22.5	0.8	MP3S334*0400DB*22*
0.39	26	18	9	22.5	0.8	MP3S394*0400DB*22*
0.47	26	19	10	22.5	0.8	MP3S474*0400DB*22*
0.56	26	20	11	22.5	0.8	MP3S564*0400DB*22*
0.68	26	20	11	22.5	0.8	MP3S684*0400DB*22*

R.V.	400VDC / 250VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.33	31	17	8	27.5	0.8	MP3S334*0400DB*27*
0.39	31	18	9	27.5	0.8	MP3S394*0400DB*27*
0.47	31	18	9	27.5	0.8	MP3S474*0400DB*27*
0.56	31	18	9	27.5	0.8	MP3S564*0400DB*27*
0.68	31	20	10	27.5	0.8	MP3S684*0400DB*27*

R.V.	400VDC / 250VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.82	31	22	13	27.5	0.8	MP3S824*0400DB*27*
1.0	31	23.5	14	27.5	0.8	MP3S105*0400DB*27*
1.2	31	24.5	15	27.5	0.8	MP3S125*0400DB*27*
1.5	31	28	18	27.5	0.8	MP3S155*0400DB*27*

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	630VDC / 400VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.01	13	10	5	10	0.6	MP3S103*0630DB*10*
0.012	13	11	5	10	0.6	MP3S123*0630DB*10*
0.015	13	12	6	10	0.6	MP3S153*0630DB*10*
0.018	13	12	6	10	0.6	MP3S183*0630DB*10*
0.022	13	13	7	10	0.6	MP3S223*0630DB*10*
0.01	18	11	5	15	0.8	MP3S103*0630DB*15*
0.012	18	11	5	15	0.8	MP3S123*0630DB*15*
0.015	18	11	5	15	0.8	MP3S153*0630DB*15*
0.018	18	11	5	15	0.8	MP3S183*0630DB*15*
0.022	18	11	5	15	0.8	MP3S223*0630DB*15*
0.027	18	11	5	15	0.8	MP3S273*0630DB*15*
0.033	18	12	6	15	0.8	MP3S333*0630DB*15*
0.039	18	12	6	15	0.8	MP3S393*0630DB*15*
0.047	18	13	7	15	0.8	MP3S473*0630DB*15*
0.056	18	13.5	7.5	15	0.8	MP3S563*0630DB*15*
0.068	18	14	8	15	0.8	MP3S683*0630DB*15*
0.082	18	14.5	8.5	15	0.8	MP3S823*0630DB*15*
0.1	18	16	10	15	0.8	MP3S104*0630DB*15*
0.12	18	18	10	15	0.8	MP3S124*0630DB*15*
0.047	26	15	6	22.5	0.8	MP3S473*0630DB*22*
0.056	26	15	6	22.5	0.8	MP3S563*0630DB*22*
0.068	26	15	6	22.5	0.8	MP3S683*0630DB*22*

R.V.	630VDC / 400VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.082	26	15	6	22.5	0.8	MP3S823*0630DB*22*
0.1	26	15	6	22.5	0.8	MP3S104*0630DB*22*
0.12	26	16	7	22.5	0.8	MP3S124*0630DB*22*
0.15	26	17	8	22.5	0.8	MP3S154*0630DB*22*
0.18	26	17	8	22.5	0.8	MP3S184*0630DB*22*
0.22	26	18	9	22.5	0.8	MP3S224*0630DB*22*
0.27	26	20	10	22.5	0.8	MP3S274*0630DB*22*
0.33	26	20	11	22.5	0.8	MP3S334*0630DB*22*
0.39	26	22	12	22.5	0.8	MP3S394*0630DB*22*
0.22	31	18	9	27.5	0.8	MP3S224*0630DB*27*
0.27	31	18	9	27.5	0.8	MP3S274*0630DB*27*
0.33	31	20	10	27.5	0.8	MP3S334*0630DB*27*
0.39	31	20	11	27.5	0.8	MP3S394*0630DB*27*
0.47	31	22	13	27.5	0.8	MP3S474*0630DB*27*
0.56	31	23.5	14	27.5	0.8	MP3S564*0630DB*27*
0.68	31	24.5	15	27.5	0.8	MP3S684*0630DB*27*
0.82	31	26	18	27.5	0.8	MP3S824*0630DB*27*
1.0	31	33	18	27.5	0.8	MP3S105*0630DB*27*

Cap. (μF) | 标准单位 (Size unit): mm

R.V.	1000VDC / 600VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.001	13	9	4	10	0.6	MP3S102*1000DB*10*
0.0012	13	9	4	10	0.6	MP3S122*1000DB*10*
0.0015	13	9	4	10	0.6	MP3S152*1000DB*10*
0.0018	13	9	4	10	0.6	MP3S182*1000DB*10*
0.0022	13	9	4	10	0.6	MP3S222*1000DB*10*
0.0027	13	9	4	10	0.6	MP3S272*1000DB*10*
0.0033	13	9	4	10	0.6	MP3S332*1000DB*10*
0.0039	13	10	5	10	0.6	MP3S392*1000DB*10*
0.0047	13	11	5	10	0.6	MP3S472*1000DB*10*
0.0056	13	11	5	10	0.6	MP3S562*1000DB*10*
0.0068	13	11	5	10	0.6	MP3S682*1000DB*10*
0.0082	13	12	6	10	0.6	MP3S822*1000DB*10*
0.01	13	12	6	10	0.6	MP3S103*1000DB*10*
0.012	13	13	7	10	0.6	MP3S123*1000DB*10*
0.0068	18	11	5	15	0.8	MP3S682*1000DB*15*
0.0082	18	11	5	15	0.8	MP3S822*1000DB*15*
0.01	18	11	5	15	0.8	MP3S103*1000DB*15*
0.012	18	11	5	15	0.8	MP3S123*1000DB*15*
0.015	18	11	5	15	0.8	MP3S153*1000DB*15*
0.018	18	11	5	15	0.8	MP3S183*1000DB*15*
0.022	18	12	6	15	0.8	MP3S223*1000DB*15*
0.027	18	13	7	15	0.8	MP3S273*1000DB*15*
0.033	18	13.5	7.5	15	0.8	MP3S333*1000DB*15*
0.039	18	15.5	8	15	0.8	MP3S393*1000DB*15*
0.047	18	17	8	15	0.8	MP3S473*1000DB*15*
0.022	26	15	6	22.5	0.8	MP3S223*1000DB*22*
0.027	26	15	6	22.5	0.8	MP3S273*1000DB*22*
0.033	26	15	6	22.5	0.8	MP3S333*1000DB*22*
0.039	26	15	6	22.5	0.8	MP3S393*1000DB*22*
0.047	26	15	6	22.5	0.8	MP3S473*1000DB*22*

R.V.	1000VDC / 600VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.056	26	16	7	22.5	0.8	MP3S563*1000DB*22*
0.068	26	16.5	7	22.5	0.8	MP3S683*1000DB*22*
0.082	26	17	8	22.5	0.8	MP3S823*1000DB*22*
0.1	26	18.5	8.5	22.5	0.8	MP3S104*1000DB*22*
0.12	26	19	10	22.5	0.8	MP3S124*1000DB*22*
0.15	26	20	11	22.5	0.8	MP3S154*1000DB*22*
0.18	26	22	12.5	22.5	0.8	MP3S184*1000DB*22*
0.22	26	24	14	22.5	0.8	MP3S224*1000DB*22*
0.1	31	18	9	27.5	0.8	MP3S104*1000DB*27*
0.12	31	18	9	27.5	0.8	MP3S124*1000DB*27*
0.15	31	20	10	27.5	0.8	MP3S154*1000DB*27*
0.18	31	22	13	27.5	0.8	MP3S184*1000DB*27*
0.22	31	22	13	27.5	0.8	MP3S224*1000DB*27*
0.27	31	23.5	14	27.5	0.8	MP3S274*1000DB*27*
0.33	31	24.5	15	27.5	0.8	MP3S334*1000DB*27*
0.39	31	26	18	27.5	0.8	MP3S394*1000DB*27*
0.47	31	28	18	27.5	0.8	MP3S474*1000DB*27*

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	1600VDC / 650VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.001	18	11	5	15	0.8	MP3S102*1600DB*15*
0.0012	18	11	5	15	0.8	MP3S122*1600DB*15*
0.0015	18	11	5	15	0.8	MP3S152*1600DB*15*
0.0018	18	11	5	15	0.8	MP3S182*1600DB*15*
0.0022	18	11	5	15	0.8	MP3S222*1600DB*15*
0.0027	18	11	5	15	0.8	MP3S272*1600DB*15*
0.0033	18	11	5	15	0.8	MP3S332*1600DB*15*
0.0039	18	11	5	15	0.8	MP3S392*1600DB*15*
0.0047	18	11	5	15	0.8	MP3S472*1600DB*15*
0.0056	18	11	5	15	0.8	MP3S562*1600DB*15*
0.0068	18	11	5	15	0.8	MP3S682*1600DB*15*
0.0082	18	11	5	15	0.8	MP3S822*1600DB*15*
0.01	18	12	6	15	0.8	MP3S103*1600DB*15*
0.012	18	12	6	15	0.8	MP3S123*1600DB*15*
0.015	18	13	7	15	0.8	MP3S153*1600DB*15*
0.018	18	13	7	15	0.8	MP3S183*1600DB*15*
0.022	18	13.5	7.5	15	0.8	MP3S223*1600DB*15*
0.027	18	14.5	8.5	15	0.8	MP3S273*1600DB*15*
0.033	18	17	8	15	0.8	MP3S333*1600DB*15*
0.022	26	15	6	22.5	0.8	MP3S223*1600DB*22*
0.027	26	15	6	22.5	0.8	MP3S273*1600DB*22*
0.033	26	15	6	22.5	0.8	MP3S333*1600DB*22*
0.039	26	16.5	7	22.5	0.8	MP3S393*1600DB*22*
0.047	26	16.5	7	22.5	0.8	MP3S473*1600DB*22*
0.056	26	17	8	22.5	0.8	MP3S563*1600DB*22*
0.068	26	18	9	22.5	0.8	MP3S683*1600DB*22*
0.082	26	19	10	22.5	0.8	MP3S823*1600DB*22*
0.1	26	20	11	22.5	0.8	MP3S104*1600DB*22*
0.047	31	18	9	27.5	0.8	MP3S473*1600DB*27*
0.056	31	18	9	27.5	0.8	MP3S563*1600DB*27*

R.V.	1600VDC / 650VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.068	31	18	9	27.5	0.8	MP3S683*1600DB*27*
0.082	31	18	9	27.5	0.8	MP3S823*1600DB*27*
0.1	31	20	10	27.5	0.8	MP3S104*1600DB*27*
0.12	31	20	11	27.5	0.8	MP3S124*1600DB*27*
0.15	31	22	13	27.5	0.8	MP3S154*1600DB*27*
0.18	31	23.5	14	27.5	0.8	MP3S184*1600DB*27*
0.22	31	24.5	15	27.5	0.8	MP3S224*1600DB*27*
0.27	31	26	18	27.5	0.8	MP3S274*1600DB*27*
0.33	31	33	18	27.5	0.8	MP3S334*1600DB*27*

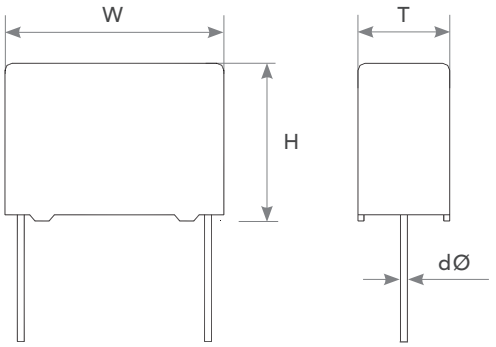
Cap. (μF) | 标准单位 (Size unit): mm

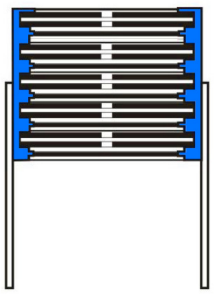
R.V.	2000VDC / 700VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.001	18	11	5	15	0.8	MP3S102*2000DB*15*
0.0012	18	11	5	15	0.8	MP3S122*2000DB*15*
0.0015	18	11	5	15	0.8	MP3S152*2000DB*15*
0.0018	18	11	5	15	0.8	MP3S182*2000DB*15*
0.0022	18	11	5	15	0.8	MP3S222*2000DB*15*
0.0027	18	11	5	15	0.8	MP3S272*2000DB*15*
0.0033	18	11	5	15	0.8	MP3S332*2000DB*15*
0.0039	18	11	5	15	0.8	MP3S392*2000DB*15*
0.0047	18	11	5	15	0.8	MP3S472*2000DB*15*
0.0056	18	12	6	15	0.8	MP3S562*2000DB*15*
0.0068	18	12	6	15	0.8	MP3S682*2000DB*15*
0.0082	18	13	7	15	0.8	MP3S822*2000DB*15*
0.01	18	13	7	15	0.8	MP3S103*2000DB*15*
0.012	18	14	8	15	0.8	MP3S123*2000DB*15*
0.015	18	14.5	8.5	15	0.8	MP3S153*2000DB*15*
0.018	18	18	9	15	0.8	MP3S183*2000DB*15*
0.022	18	18	10	15	0.8	MP3S223*2000DB*15*
0.01	26	15	6	22.5	0.8	MP3S103*2000DB*22*
0.012	26	15	6	22.5	0.8	MP3S123*2000DB*22*
0.015	26	15	6	22.5	0.8	MP3S153*2000DB*22*
0.018	26	15	6	22.5	0.8	MP3S183*2000DB*22*
0.022	26	16	6	22.5	0.8	MP3S223*2000DB*22*
0.027	26	16.5	7	22.5	0.8	MP3S273*2000DB*22*
0.033	26	17	8	22.5	0.8	MP3S333*2000DB*22*
0.039	26	18	9	22.5	0.8	MP3S393*2000DB*22*
0.047	26	18.5	10	22.5	0.8	MP3S473*2000DB*22*
0.056	26	20	11	22.5	0.8	MP3S563*2000DB*22*
0.068	26	21.5	12	22.5	0.8	MP3S683*2000DB*22*
0.082	26	24	14	22.5	0.8	MP3S823*2000DB*22*
0.1	26	25	15	22.5	0.8	MP3S104*2000DB*22*

R.V.	2000VDC / 700VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.033	31	18	9	27.5	0.8	MP3S333*2000DB*27*
0.039	31	18	9	27.5	0.8	MP3S393*2000DB*27*
0.047	31	20	10	27.5	0.8	MP3S473*2000DB*27*
0.056	31	20	11	27.5	0.8	MP3S563*2000DB*27*
0.068	31	22	13	27.5	0.8	MP3S683*2000DB*27*
0.082	31	23.5	14	27.5	0.8	MP3S823*2000DB*27*
0.1	31	24.5	15	27.5	0.8	MP3S104*2000DB*27*
0.12	31	25.5	16	27.5	0.8	MP3S124*2000DB*27*
0.15	31	28	18	27.5	0.8	MP3S154*2000DB*27*
0.18	31	30.5	20	27.5	0.8	MP3S184*2000DB*27*

金属化聚丙烯薄膜电容器(HP3S)
METALLIZED POLYPROPYLENE FILM CAPACITOR–RADIAL(HP3S)

HP3S





双面金属化聚酯薄膜
Double side metallized polyester film

金属化聚丙烯薄膜
Metallized Polypropylene Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 电极: 双面金属化聚酯薄膜
  Electrodes: Double sided metallized polyester film
- 绕卷: 无感式&内部串联连接
  Winding: non–inductive type&ntermal series connection
- 导线: 镀锡线
  Leads: Tinned Wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 高频下低损耗因素
  Low Dissipation Factor at high frequency
- 优良电晕电压
  Excellent corona voltage
- 非常高的脉冲强度
  Very high pulss strength
- 小型化
  Small in size

推荐应用 Recommended Application:

- 电子照明(镇流器和汽车前照灯)
  Electronic lighting (ballast & car headlamp)
- 开关电源电路
  Switching power supply circuits
- 高交流电压和高电流脉冲应用
  Pulse applications with high AC voltage and high Current

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–16
额定电压 Rated Voltage	400VDC (250VAC)，630VDC (400VAC)，1000VDC (600VAC), 1600VDC (650VAC)，2000VDC (700VAC)
额定温度 Rated Temperature	~+85°C for V_R(DC)，~+75°C for V_R(AC)
最大运行温度 Usable Upper Category Temperature	+125°C (Derating ratio of rated voltage to +85°C~+125°C: 1.25% per °C for Rated Voltage(DC)) (Derating ratio of rated voltage to +75°C~+125°C: 1.35% per °C for Rated Voltage(AC))
容量范围 Capacitance Range	0.001μF~1.5μF
容量误差 Capacitance Tolerance	±5% (J)，±10% (K)

损耗角正切 Dissipation Factor	KHz	C≦0.1μF	0.1μF＜C≦1.0μF	1.0μF＜C
	1	≦0.06 %	≦0.06 %	≦0.07 %
	10	≦0.07 %	≦0.09 %	≦0.12 %
	100	≦0.15 %	≦0.25 %	≦0.5 %
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at25°C± 5°C), Voltage charge time: 1minute. Voltage charge: 100VDC ≥50000MΩ for C ≤0.1μF, ≥10000MΩxμF for C ＞0.1μF			
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C), 1.6 × V_R applied for 2sec. (cut off current 10mA), Slow-up voltage speed: 100V/sec			

额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	10 mm	15 mm	22.5 mm	27.5 mm
	400 VDC	1500	900	500	300
	630 VDC	3000	2500	1500	900
	1000 VDC	4800	3300	2100	1000
	1600 VDC	------	6000	3000	2000
	2000 VDC	------	9500	3500	2300

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	400VDC / 250VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.047	18	11	5	15	0.8	HP3S473*0400DB*15*
0.056	18	11	5	15	0.8	HP3S563*0400DB*15*
0.068	18	12	6	15	0.8	HP3S683*0400DB*15*
0.082	18	12	6	15	0.8	HP3S823*0400DB*15*
0.1	18	13	7	15	0.8	HP3S104*0400DB*15*
0.12	18	13.5	7.5	15	0.8	HP3S124*0400DB*15*
0.15	18	14.5	8.5	15	0.8	HP3S154*0400DB*15*
0.18	18	16	9	15	0.8	HP3S184*0400DB*15*
0.22	18	16	10	15	0.8	HP3S224*0400DB*15*
0.27	18	19	11	15	0.8	HP3S274*0400DB*15*
0.33	18	21	12	15	0.8	HP3S334*0400DB*15*
0.1	26	15	6	22.5	0.8	HP3S104*0400DB*22*
0.12	26	15	6	22.5	0.8	HP3S124*0400DB*22*
0.15	26	15	6	22.5	0.8	HP3S154*0400DB*22*
0.18	26	15	6	22.5	0.8	HP3S184*0400DB*22*
0.22	26	16	7	22.5	0.8	HP3S224*0400DB*22*

R.V.	400VDC / 250VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.27	26	17	8	22.5	0.8	HP3S274*0400DB*22*
0.33	26	17	9	22.5	0.8	HP3S334*0400DB*22*
0.39	26	18	9	22.5	0.8	HP3S394*0400DB*22*
0.47	26	19	10	22.5	0.8	HP3S474*0400DB*22*
0.56	26	20	11	22.5	0.8	HP3S564*0400DB*22*
0.68	26	20	11	22.5	0.8	HP3S684*0400DB*22*
0.33	31	17	8	27.5	0.8	HP3S334*0400DB*27*
0.39	31	18	9	27.5	0.8	HP3S394*0400DB*27*
0.47	31	18	9	27.5	0.8	HP3S474*0400DB*27*
0.56	31	18	9	27.5	0.8	HP3S564*0400DB*27*
0.68	31	20	10	27.5	0.8	HP3S684*0400DB*27*
0.82	31	22	13	27.5	0.8	HP3S824*0400DB*27*
1.0	31	23.5	14	27.5	0.8	HP3S105*0400DB*27*
1.2	31	24.5	15	27.5	0.8	HP3S125*0400DB*27*
1.5	31	28	18	27.5	0.8	HP3S155*0400DB*27*

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	630VDC / 400VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.01	13	10	5	10	0.6	HP3S103*0630DB*10*
0.012	13	11	5	10	0.6	HP3S123*0630DB*10*
0.015	13	12	6	10	0.6	HP3S153*0630DB*10*
0.018	13	12	6	10	0.6	HP3S183*0630DB*10*
0.022	13	13	7	10	0.6	HP3S223*0630DB*10*
0.01	18	11	5	15	0.8	HP3S103*0630DB*15*
0.012	18	11	5	15	0.8	HP3S123*0630DB*15*
0.015	18	11	5	15	0.8	HP3S153*0630DB*15*
0.018	18	11	5	15	0.8	HP3S183*0630DB*15*
0.022	18	11	5	15	0.8	HP3S223*0630DB*15*
0.027	18	11	5	15	0.8	HP3S273*0630DB*15*
0.033	18	12	6	15	0.8	HP3S333*0630DB*15*
0.039	18	12	6	15	0.8	HP3S393*0630DB*15*
0.047	18	13	7	15	0.8	HP3S473*0630DB*15*
0.056	18	13.5	7.5	15	0.8	HP3S563*0630DB*15*
0.068	18	14	8	15	0.8	HP3S683*0630DB*15*
0.082	18	14.5	8.5	15	0.8	HP3S823*0630DB*15*
0.1	18	16	10	15	0.8	HP3S104*0630DB*15*
0.12	18	18	10	15	0.8	HP3S124*0630DB*15*
0.047	26	15	6	22.5	0.8	HP3S473*0630DB*22*
0.056	26	15	6	22.5	0.8	HP3S563*0630DB*22*
0.068	26	15	6	22.5	0.8	HP3S683*0630DB*22*
0.082	26	15	6	22.5	0.8	HP3S823*0630DB*22*
0.1	26	15	6	22.5	0.8	HP3S104*0630DB*22*
0.12	26	16	7	22.5	0.8	HP3S124*0630DB*22*
0.15	26	17	8	22.5	0.8	HP3S154*0630DB*22*
0.18	26	17	8	22.5	0.8	HP3S184*0630DB*22*
0.22	26	18	9	22.5	0.8	HP3S224*0630DB*22*
0.27	26	20	10	22.5	0.8	HP3S274*0630DB*22*
0.33	26	20	11	22.5	0.8	HP3S334*0630DB*22*

R.V.	630VDC / 400VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.39	26	22	12	22.5	0.8	HP3S394*0630DB*22*
0.22	31	18	9	27.5	0.8	HP3S224*0630DB*27*
0.27	31	18	9	27.5	0.8	HP3S274*0630DB*27*
0.33	31	20	10	27.5	0.8	HP3S334*0630DB*27*
0.39	31	20	11	27.5	0.8	HP3S394*0630DB*27*
0.47	31	22	13	27.5	0.8	HP3S474*0630DB*27*
0.56	31	23.5	14	27.5	0.8	HP3S564*0630DB*27*
0.68	31	24.5	15	27.5	0.8	HP3S684*0630DB*27*
0.82	31	26	18	27.5	0.8	HP3S824*0630DB*27*
1.0	31	33	18	27.5	0.8	HP3S105*0630DB*27*

Cap. (μF) | 标准单位 (Size unit): mm

R.V.	1000VDC / 600VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.0039	13	10	5	10	0.6	HP3S392*1000DB*10*
0.0047	13	11	5	10	0.6	HP3S472*1000DB*10*
0.0056	13	11	5	10	0.6	HP3S562*1000DB*10*
0.0068	13	11	5	10	0.6	HP3S682*1000DB*10*
0.0082	13	12	6	10	0.6	HP3S822*1000DB*10*
0.01	13	12	6	10	0.6	HP3S103*1000DB*10*
0.012	13	13	7	10	0.6	HP3S123*1000DB*10*
0.0068	18	11	5	15	0.8	HP3S682*1000DB*15*
0.0082	18	11	5	15	0.8	HP3S822*1000DB*15*
0.01	18	11	5	15	0.8	HP3S103*1000DB*15*
0.012	18	11	5	15	0.8	HP3S123*1000DB*15*
0.015	18	11	5	15	0.8	HP3S153*1000DB*15*
0.018	18	11	5	15	0.8	HP3S183*1000DB*15*
0.022	18	12	6	15	0.8	HP3S223*1000DB*15*
0.027	18	13	7	15	0.8	HP3S273*1000DB*15*
0.033	18	13.5	7.5	15	0.8	HP3S333*1000DB*15*
0.039	18	15.5	8	15	0.8	HP3S393*1000DB*15*
0.047	18	17	8	15	0.8	HP3S473*1000DB*15*
0.022	26	15	6	22.5	0.8	HP3S223*1000DB*22*
0.027	26	15	6	22.5	0.8	HP3S273*1000DB*22*
0.033	26	15	6	22.5	0.8	HP3S333*1000DB*22*
0.039	26	15	6	22.5	0.8	HP3S393*1000DB*22*
0.047	26	15	6	22.5	0.8	HP3S473*1000DB*22*
0.056	26	16	7	22.5	0.8	HP3S563*1000DB*22*
0.068	26	16.5	7	22.5	0.8	HP3S683*1000DB*22*
0.082	26	17	8	22.5	0.8	HP3S823*1000DB*22*
0.1	26	18.5	8.5	22.5	0.8	HP3S104*1000DB*22*
0.12	26	19	10	22.5	0.8	HP3S124*1000DB*22*
0.15	26	20	11	22.5	0.8	HP3S154*1000DB*22*
0.18	26	22	12.5	22.5	0.8	HP3S184*1000DB*22*

R.V.	1000VDC / 600VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.22	26	24	14	22.5	0.8	HP3S224*1000DB*22*
0.1	31	18	9	27.5	0.8	HP3S104*1000DB*27*
0.12	31	18	9	27.5	0.8	HP3S124*1000DB*27*
0.15	31	20	10	27.5	0.8	HP3S154*1000DB*27*
0.18	31	22	13	27.5	0.8	HP3S184*1000DB*27*
0.22	31	22	13	27.5	0.8	HP3S224*1000DB*27*
0.27	31	23.5	14	27.5	0.8	HP3S274*1000DB*27*
0.33	31	24.5	15	27.5	0.8	HP3S334*1000DB*27*
0.39	31	26	18	27.5	0.8	HP3S394*1000DB*27*
0.47	31	28	18	27.5	0.8	HP3S474*1000DB*27*

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	1600VDC / 650VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.001	18	11	5	15	0.8	HP3S102*1600DB*15*
0.0012	18	11	5	15	0.8	HP3S122*1600DB*15*
0.0015	18	11	5	15	0.8	HP3S152*1600DB*15*
0.0018	18	11	5	15	0.8	HP3S182*1600DB*15*
0.0022	18	11	5	15	0.8	HP3S222*1600DB*15*
0.0027	18	11	5	15	0.8	HP3S272*1600DB*15*
0.0033	18	11	5	15	0.8	HP3S332*1600DB*15*
0.0039	18	11	5	15	0.8	HP3S392*1600DB*15*
0.0047	18	11	5	15	0.8	HP3S472*1600DB*15*
0.0056	18	11	5	15	0.8	HP3S562*1600DB*15*
0.0068	18	11	5	15	0.8	HP3S682*1600DB*15*
0.0082	18	11	5	15	0.8	HP3S822*1600DB*15*
0.01	18	12	6	15	0.8	HP3S103*1600DB*15*
0.012	18	12	6	15	0.8	HP3S123*1600DB*15*
0.015	18	13	7	15	0.8	HP3S153*1600DB*15*
0.018	18	13	7	15	0.8	HP3S183*1600DB*15*
0.022	18	13.5	7.5	15	0.8	HP3S223*1600DB*15*
0.027	18	14.5	8.5	15	0.8	HP3S273*1600DB*15*
0.033	18	17	8	15	0.8	HP3S333*1600DB*15*
0.022	26	15	6	22.5	0.8	HP3S223*1600DB*22*
0.027	26	15	6	22.5	0.8	HP3S273*1600DB*22*
0.033	26	15	6	22.5	0.8	HP3S333*1600DB*22*
0.039	26	16.5	7	22.5	0.8	HP3S393*1600DB*22*
0.047	26	16.5	7	22.5	0.8	HP3S473*1600DB*22*
0.056	26	17	8	22.5	0.8	HP3S563*1600DB*22*
0.068	26	18	9	22.5	0.8	HP3S683*1600DB*22*
0.082	26	19	10	22.5	0.8	HP3S823*1600DB*22*
0.1	26	20	11	22.5	0.8	HP3S104*1600DB*22*
0.047	31	18	9	27.5	0.8	HP3S473*1600DB*27*
0.056	31	18	9	27.5	0.8	HP3S563*1600DB*27*

R.V.	1600VDC / 650VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.068	31	18	9	27.5	0.8	HP3S683*1600DB*27*
0.082	31	18	9	27.5	0.8	HP3S823*1600DB*27*
0.1	31	20	10	27.5	0.8	HP3S104*1600DB*27*
0.12	31	20	11	27.5	0.8	HP3S124*1600DB*27*
0.15	31	22	13	27.5	0.8	HP3S154*1600DB*27*
0.18	31	23.5	14	27.5	0.8	HP3S184*1600DB*27*
0.22	31	24.5	15	27.5	0.8	HP3S224*1600DB*27*
0.27	31	26	18	27.5	0.8	HP3S274*1600DB*27*
0.33	31	33	18	27.5	0.8	HP3S334*1600DB*27*

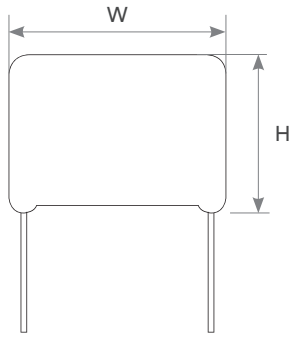
Cap. (μF) | 标准单位 (Size unit): mm

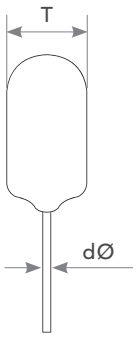
R.V.	2000VDC / 700VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.001	18	11	5	15	0.8	HP3S102*2000DB*15*
0.0012	18	11	5	15	0.8	HP3S122*2000DB*15*
0.0015	18	11	5	15	0.8	HP3S152*2000DB*15*
0.0018	18	11	5	15	0.8	HP3S182*2000DB*15*
0.0022	18	11	5	15	0.8	HP3S222*2000DB*15*
0.0027	18	11	5	15	0.8	HP3S272*2000DB*15*
0.0033	18	11	5	15	0.8	HP3S332*2000DB*15*
0.0039	18	11	5	15	0.8	HP3S392*2000DB*15*
0.0047	18	11	5	15	0.8	HP3S472*2000DB*15*
0.0056	18	12	6	15	0.8	HP3S562*2000DB*15*
0.0068	18	12	6	15	0.8	HP3S682*2000DB*15*
0.0082	18	13	7	15	0.8	HP3S822*2000DB*15*
0.01	18	13	7	15	0.8	HP3S103*2000DB*15*
0.012	18	14	8	15	0.8	HP3S123*2000DB*15*
0.015	18	14.5	8.5	15	0.8	HP3S153*2000DB*15*
0.018	18	18	9	15	0.8	HP3S183*2000DB*15*
0.022	18	18	10	15	0.8	HP3S223*2000DB*15*
0.01	26	15	6	22.5	0.8	HP3S103*2000DB*22*
0.012	26	15	6	22.5	0.8	HP3S123*2000DB*22*
0.015	26	15	6	22.5	0.8	HP3S153*2000DB*22*
0.018	26	15	6	22.5	0.8	HP3S183*2000DB*22*
0.022	26	16	6	22.5	0.8	HP3S223*2000DB*22*
0.027	26	16.5	7	22.5	0.8	HP3S273*2000DB*22*
0.033	26	17	8	22.5	0.8	HP3S333*2000DB*22*
0.039	26	18	9	22.5	0.8	HP3S393*2000DB*22*
0.047	26	18.5	10	22.5	0.8	HP3S473*2000DB*22*
0.056	26	20	11	22.5	0.8	HP3S563*2000DB*22*
0.068	26	21.5	12	22.5	0.8	HP3S683*2000DB*22*
0.082	26	24	14	22.5	0.8	HP3S823*2000DB*22*
0.1	26	25	15	22.5	0.8	HP3S104*2000DB*22*

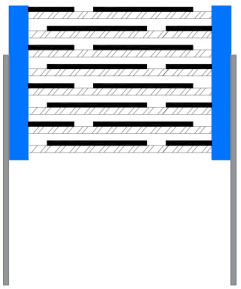
R.V.	2000VDC / 700VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.033	31	18	9	27.5	0.8	HP3S333*2000DB*27*
0.039	31	18	9	27.5	0.8	HP3S393*2000DB*27*
0.047	31	20	10	27.5	0.8	HP3S473*2000DB*27*
0.056	31	20	11	27.5	0.8	HP3S563*2000DB*27*
0.068	31	22	13	27.5	0.8	HP3S683*2000DB*27*
0.082	31	23.5	14	27.5	0.8	HP3S823*2000DB*27*
0.1	31	24.5	15	27.5	0.8	HP3S104*2000DB*27*
0.12	31	25.5	16	27.5	0.8	HP3S124*2000DB*27*
0.15	31	28	18	27.5	0.8	HP3S154*2000DB*27*
0.18	31	30.5	20	27.5	0.8	HP3S184*2000DB*27*

金属化聚丙烯薄膜电容器(MP4)
METALLIZED POLYPROPYLENE FILM CAPACITOR–RADIAL(MP4)

MP4







金属化聚丙烯薄膜
Metallized Polypropylene Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式&内部串联连接
  Winding: non–inductive type intermal series connection
- 导线: 镀锡线
  Leads: Tinned Wire
- 外部涂层: 阻燃环氧树脂
  Outer coating: Flame retardant epoxy resin

特点 Feature:

- 高频下低损耗因素
  Low Dissipation Factor at high frequency
- 优良电晕电压
  Excellent corona voltage
- 脉冲强度高
  High pulse strength
- 小型化
  Small in size

推荐应用 Recommended Application:

- 电子照明(镇流器和汽车前照灯)
  Electronic lighting (ballast & car headlamp)
- 开关电源电路
  Switching power supply circuits
- 高直流电压高电流脉冲应用
  Pulse applications with high AC voltage and high Current

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–17
额定电压 Rated Voltage	300VAC (800VDC), 400VAC (1200VDC), 500VAC (1600VDC) 700VAC (2000VDC), 900VAC (2200VDC)
额定温度 Rated Temperature	~+85°C for V_R
最大运行温度 Usable Upper Category Temperature	+110°C (Derating ratio of rated V_R to +85°C ~ +110°C: 1.25% per °C for Rated Voltage V_R)
容量范围 Capacitance Range	0.001μF ~ 0.15μF
容量误差 Capacitance Tolerance	±2% (G), ±3% (H), ±5% (J)
损耗角正切 Dissipation Factor	0.05% at 1Khz (C≦0.1uF) 0.10% at 100Khz (C≦0.1uF)
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at20°C± 5°C), ≥50000MΩ for C ≤0.1μF at 100VDC x 1minute
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C), 1.6 × V_R applied for 2sec.

额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch \ V_R	300 VAC	400 VAC	500 VAC	700 VAC	900 VAC
	10 mm	400	400	———	———	———
	15 mm	500	1000	1400	3000	4000
	22.5 mm	250	500	700	1400	2500

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	300VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.0056	13.0	10.0	5.0	10	0.6	MP4–562*0300AB*10*
0.0068	13.0	11.0	5.0	10	0.6	MP4–682*0300AB*10*
0.0082	13.0	11.0	5.5	10	0.6	MP4–822*0300AB*10*
0.01	13.0	11.5	6.0	10	0.6	MP4–103*0300AB*10*
0.012	13.0	12.0	6.5	10	0.6	MP4–123*0300AB*10*
0.015	13.0	13.0	7.0	10	0.6	MP4–153*0300AB*10*
0.018	13.0	13.5	8.0	10	0.6	MP4–183*0300AB*10*
0.022	18.0	12.0	6.0	15	0.8	MP4–223*0300AB*15*
0.027	18.0	12.5	7.0	15	0.8	MP4–273*0300AB*15*
0.033	18.0	13.0	7.5	15	0.8	MP4–333*0300AB*15*
0.039	18.0	14.0	8.0	15	0.8	MP4–393*0300AB*15*
0.047	18.0	15.5	8.5	15	0.8	MP4–473*0300AB*15*
0.056	18.0	16.0	9.0	15	0.8	MP4–563*0300AB*15*
0.068	18.0	17.0	10.0	15	0.8	MP4–683*0300AB*15*
0.082	26.0	16.5	7.5	22.5	0.8	MP4–823*0300AB*22*
0.1	26.0	17.5	8.5	22.5	0.8	MP4–104*0300AB*22*
0.12	26.0	18.5	9.5	22.5	0.8	MP4–124*0300AB*22*
0.15	26.0	19.5	10.5	22.5	0.8	MP4–154*0300AB*22*

＊ 最大尺寸 Maximum dimensions (mm): W max = W+0.2

R.V.	400VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.001	13.0	9.0	4.5	10	0.6	MP4–102*0400AB*10*
0.0012	13.0	9.0	4.5	10	0.6	MP4–122*0400AB*10*
0.0015	13.0	9.0	4.5	10	0.6	MP4–152*0400AB*10*
0.0018	13.0	9.0	4.5	10	0.6	MP4–182*0400AB*10*
0.0022	13.0	9.0	4.5	10	0.6	MP4–222*0400AB*10*
0.0027	13.0	10.0	5.0	10	0.6	MP4–272*0400AB*10*
0.0033	13.0	10.0	5.0	10	0.6	MP4–332*0400AB*10*
0.0039	13.0	10.5	5.0	10	0.6	MP4–392*0400AB*10*
0.0047	13.0	11.0	5.5	10	0.6	MP4–472*0400AB*10*
0.0056	13.0	11.5	6.0	10	0.6	MP4–562*0400AB*10*
0.0068	18.0	10.0	4.5	15	0.8	MP4–682*0400AB*15*
0.0082	18.0	10.5	4.5	15	0.8	MP4–822*0400AB*15*
0.01	18.0	11.0	5.0	15	0.8	MP4–103*0400AB*15*
0.012	18.0	11.5	5.5	15	0.8	MP4–123*0400AB*15*
0.015	18.0	12.0	6.0	15	0.8	MP4–153*0400AB*15*
0.018	18.0	12.5	7.0	15	0.8	MP4–183*0400AB*15*
0.022	18.0	13.0	7.5	15	0.8	MP4–223*0400AB*15*
0.027	18.0	14.0	8.5	15	0.8	MP4–273*0400AB*15*
0.033	18.0	15.0	9.0	15	0.8	MP4–333*0400AB*15*
0.039	18.0	15.5	10.0	15	0.8	MP4–393*0400AB*15*
0.047	18.0	16.5	11.0	15	0.8	MP4–473*0400AB*15*
0.056	26.0	17.0	8.5	22.5	0.8	MP4–563*0400AB*22*
0.068	26.0	18.0	9.5	22.5	0.8	MP4–683*0400AB*22*
0.082	26.0	19.0	10.5	22.5	0.8	MP4–823*0400AB*22*
0.1	26.0	20.5	11.5	22.5	0.8	MP4–104*0400AB*22*

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	500VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.001	18.0	10.5	4.5	15	0.8	MP4–102*0500AB*15*
0.0012	18.0	10.5	4.5	15	0.8	MP4–122*0500AB*15*
0.0015	18.0	10.5	4.5	15	0.8	MP4–152*0500AB*15*
0.0018	18.0	11.0	5.0	15	0.8	MP4–182*0500AB*15*
0.0022	18.0	11.0	5.5	15	0.8	MP4–222*0500AB*15*
0.0027	18.0	11.0	5.5	15	0.8	MP4–272*0500AB*15*
0.0033	18.0	11.0	5.5	15	0.8	MP4–332*0500AB*15*
0.0039	18.0	11.0	5.5	15	0.8	MP4–392*0500AB*15*
0.0047	18.0	11.0	5.5	15	0.8	MP4–472*0500AB*15*
0.0056	18.0	11.0	5.5	15	0.8	MP4–562*0500AB*15*
0.0068	18.0	11.5	5.5	15	0.8	MP4–682*0500AB*15*
0.0082	18.0	12.0	6.5	15	0.8	MP4–822*0500AB*15*
0.01	18.0	12.5	7.0	15	0.8	MP4–103*0500AB*15*
0.012	18.0	13.5	7.5	15	0.8	MP4–123*0500AB*15*
0.015	18.0	14.0	8.5	15	0.8	MP4–153*0500AB*15*
0.018	18.0	15.0	9.5	15	0.8	MP4–183*0500AB*15*
0.022	18.0	17.0	9.5	15	0.8	MP4–223*0500AB*15*
0.027	18.0	18.0	11.0	15	0.8	MP4–273*0500AB*15*
0.033	26.0	16.5	7.5	22.5	0.8	MP4–333*0500AB*22*
0.039	26.0	17.5	8.5	22.5	0.8	MP4–393*0500AB*22*
0.047	26.0	18.5	9.5	22.5	0.8	MP4–473*0500AB*22*
0.056	26.0	19.5	10.5	22.5	0.8	MP4–563*0500AB*22*
0.068	26.0	20.5	12.0	22.5	0.8	MP4–683*0500AB*22*
0.082	26.0	22.0	13.0	22.5	0.8	MP4–823*0500AB*22*

R.V.	700VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.001	18.0	10.5	5.0	15	0.8	MP4–102*0700AB*15*
0.0012	18.0	11.0	5.0	15	0.8	MP4–122*0700AB*15*
0.0015	18.0	11.0	5.0	15	0.8	MP4–152*0700AB*15*
0.0018	18.0	11.0	5.5	15	0.8	MP4–182*0700AB*15*
0.0022	18.0	11.0	5.5	15	0.8	MP4–222*0700AB*15*
0.0027	18.0	11.0	5.5	15	0.8	MP4–272*0700AB*15*
0.0033	18.0	11.0	5.5	15	0.8	MP4–332*0700AB*15*
0.0039	18.0	11.0	6.0	15	0.8	MP4–392*0700AB*15*
0.0047	18.0	11.5	6.5	15	0.8	MP4–472*0700AB*15*
0.0056	18.0	13.0	7.0	15	0.8	MP4–562*0700AB*15*
0.0068	18.0	13.0	7.5	15	0.8	MP4–682*0700AB*15*
0.0082	18.0	13.5	8.0	15	0.8	MP4–822*0700AB*15*
0.01	18.0	14.5	8.5	15	0.8	MP4–103*0700AB*15*
0.012	18.0	15.5	9.5	15	0.8	MP4–123*0700AB*15*
0.015	18.0	17.0	10.5	15	0.8	MP4–153*0700AB*15*
0.018	18.0	19.0	11.0	15	0.8	MP4–183*0700AB*15*
0.022	26.0	16.5	8.0	22.5	0.8	MP4–223*0700AB*22*
0.027	26.0	17.5	9.0	22.5	0.8	MP4–273*0700AB*22*
0.033	26.0	18.5	10.0	22.5	0.8	MP4–333*0700AB*22*
0.039	26.0	19.5	11.0	22.5	0.8	MP4–393*0700AB*22*
0.047	26.0	20.5	12.0	22.5	0.8	MP4–473*0700AB*22*
0.056	26.0	22.0	13.0	22.5	0.8	MP4–563*0700AB*22*
0.068	26.0	23.5	14.5	22.5	0.8	MP4–683*0700AB*22*
0.082	26.0	25.0	16.0	22.5	0.8	MP4–823*0700AB*22*

＊ 最大尺寸 Maximum dimensions (mm): W max = W+0.2

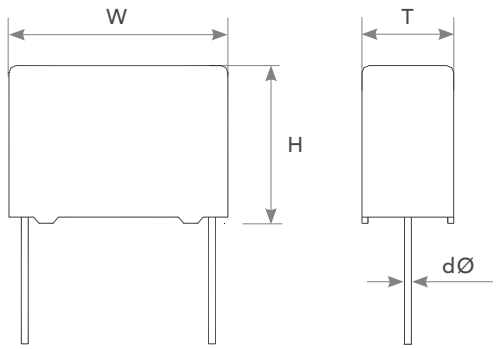
Cap. (μF) | 标准单位 (Size unit): mm

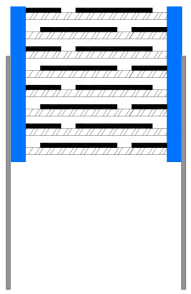
R.V.	900VAC					
Size / Cap (μF)	W	H	T	P	dØ	料号 Part Number
0.001	18.0	10.5	5.0	15	0.8	MP4–102*0900AB*15*
0.0012	18.0	11.0	5.5	15	0.8	MP4–122*0900AB*15*
0.0015	18.0	12.0	6.5	15	0.8	MP4–152*0900AB*15*
0.0018	18.0	12.5	7.0	15	0.8	MP4–182*0900AB*15*
0.0022	18.0	13.0	7.5	15	0.8	MP4–222*0900AB*15*
0.0027	18.0	14.0	8.5	15	0.8	MP4–272*0900AB*15*
0.0033	18.0	15.0	9.5	15	0.8	MP4–332*0900AB*15*
0.0039	18.0	16.5	9.5	15	0.8	MP4–392*0900AB*15*
0.0047	18.0	17.5	10.5	15	0.8	MP4–472*0900AB*15*
0.0056	18.0	18.5	11.5	15	0.8	MP4–562*0900AB*15*
0.0068	26.0	15.0	6.5	22.5	0.8	MP4–682*0900AB*22*
0.0082	26.0	15.5	7.0	22.5	0.8	MP4–822*0900AB*22*
0.01	26.0	16.0	7.5	22.5	0.8	MP4–103*0900AB*22*
0.012	26.0	17.0	8.0	22.5	0.8	MP4–123*0900AB*22*
0.015	26.0	18.0	9.5	22.5	0.8	MP4–153*0900AB*22*
0.018	26.0	19.0	10.0	22.5	0.8	MP4–183*0900AB*22*
0.022	26.0	20.0	11.5	22.5	0.8	MP4–223*0900AB*22*

＊ 最大尺寸 Maximum dimensions (mm): W max = W+0.2

金属化聚丙烯薄膜电容器(MP5)
METALLIZED POLYPROPYLENE FILM CAPACITOR–RADIAL(MP5)

MP5





金属化聚丙烯薄膜
Metallized Polypropylene Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式&内部串联连接
  Winding: non–inductive type intermal series connection
- 导线: 镀锡线
  Leads: Tinned Wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 高频下低损耗因素
  Low Dissipation Factor at high frequency
- 优良电晕电压
  Excellent corona voltage
- 脉冲强度高
  High pulse strength
- 小型化
  Small in size

推荐应用 Recommended Application:

- 电子照明(镇流器和汽车前照灯)
  Electronic lighting (ballast & car headlamp)
- 开关电源电路
  Switching power supply circuits
- 高直流电压高电流脉冲应用
  Pulse applications with high AC voltage and high Current

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–17
额定电压 Rated Voltage	300VAC (800VDC), 400VAC (1200VDC), 500VAC (1600VDC) 700VAC (2000VDC), 900VAC (2200VDC)
额定温度 Rated Temperature	~+85°C for V_R
最大运行温度 Usable Upper Category Temperature	+110°C (Derating ratio of rated Voltage V_R to +85°C ~ +110°C: 1.25% per °C for Rated Voltage V_R)
容量范围 Capacitance Range	0.001μF ~ 0.15μF
容量误差 Capacitance Tolerance	±2% (G), ±3% (H), ±5% (J)
损耗角正切 Dissipation Factor	0.05% at 1Khz (C≦0.1uF) 0.10% at 100Khz (C≦0.1uF)
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at20°C± 5°C), ≥50000MΩ for C ≤0.1μF at 100VDC x 1minute
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C±5°C), 1.6 × V_R applied for 2sec.

额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch \ V_R	300 VAC	400 VAC	500 VAC	700 VAC	900 VAC
	10 mm	400	400	———	———	———
	15 mm	500	1000	1400	3000	4000
	22.5 mm	250	500	700	1400	2500

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	300VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.0056	13.0	10.0	5.0	10	0.6	MP5–562*0300AB*10*
0.0068	13.0	11.0	5.0	10	0.6	MP5–682*0300AB*10*
0.0082	13.0	11.0	5.5	10	0.6	MP5–822*0300AB*10*
0.01	13.0	12.0	6.0	10	0.6	MP5–103*0300AB*10*
0.012	13.0	12.0	6.0	10	0.6	MP5–123*0300AB*10*
0.015	13.0	13.0	7.0	10	0.6	MP5–153*0300AB*10*
0.018	13.0	14.0	8.0	10	0.6	MP5–183*0300AB*10*
0.022	18.0	12.0	6.0	15	0.8	MP5–223*0300AB*15*
0.027	18.0	13.0	7.0	15	0.8	MP5–273*0300AB*15*
0.033	18.0	13.5	7.5	15	0.8	MP5–333*0300AB*15*
0.039	18.0	14.0	8.0	15	0.8	MP5–393*0300AB*15*
0.047	18.0	15.5	8.0	15	0.8	MP5–473*0300AB*15*
0.056	18.0	16.0	9.0	15	0.8	MP5–563*0300AB*15*
0.068	18.0	17.0	10.0	15	0.8	MP5–683*0300AB*15*
0.082	26.0	17.0	8.0	22.5	0.8	MP5–823*0300AB*22*
0.1	26.0	18.5	8.5	22.5	0.8	MP5–104*0300AB*22
0.12	26.0	18.5	10.0	22.5	0.8	MP5–124*0300AB*22
0.15	26.0	20.0	11.0	22.5	0.8	MP5–154*0300AB*22

R.V.	400VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.001	13.0	9.0	4.0	10	0.6	MP5–102*0400AB*10*
0.0012	13.0	9.0	4.0	10	0.6	MP5–122*0400AB*10*
0.0015	13.0	9.0	4.0	10	0.6	MP5–152*0400AB*10*
0.0018	13.0	9.0	4.0	10	0.6	MP5–182*0400AB*10*
0.0022	13.0	9.0	4.0	10	0.6	MP5–222*0400AB*10*
0.0027	13.0	10.0	5.0	10	0.6	MP5–272*0400AB*10*
0.0033	13.0	10.0	5.0	10	0.6	MP5–332*0400AB*10*
0.0039	13.0	11.0	5.0	10	0.6	MP5–392*0400AB*10*
0.0047	13.0	11.0	5.5	10	0.6	MP5–472*0400AB*10*
0.0056	13.0	12.0	6.0	10	0.6	MP5–562*0400AB*10*
0.0068	18.0	11.0	5.0	15	0.8	MP5–682*0400AB*15*
0.0082	18.0	11.0	5.0	15	0.8	MP5–822*0400AB*15*
0.01	18.0	11.0	5.0	15	0.8	MP5–103*0400AB*15*
0.012	18.0	12.0	6.0	15	0.8	MP5–123*0400AB*15*
0.015	18.0	12.0	6.0	15	0.8	MP5–153*0400AB*15*
0.018	18.0	13.0	7.0	15	0.8	MP5–183*0400AB*15*
0.022	18.0	13.5	7.5	15	0.8	MP5–223*0400AB*15*
0.027	18.0	14.5	8.5	15	0.8	MP5–273*0400AB*15*
0.033	18.0	15.0	9.0	15	0.8	MP5–333*0400AB*15*
0.039	18.0	16.0	10.0	15	0.8	MP5–393*0400AB*15*
0.047	18.0	17.5	11.0	15	0.8	MP5–473*0400AB*15*
0.056	26.0	17.0	8.5	22.5	0.8	MP5–563*0400AB*22*
0.068	26.0	18.0	9.0	22.5	0.8	MP5–683*0400AB*22*
0.082	26.0	19.0	10.0	22.5	0.8	MP5–823*0400AB*22*
0.1	26.0	20.0	11.0	22.5	0.8	MP5–104*0400AB*22*

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	500VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.001	18.0	11.0	5.0	15	0.8	MP5–102*0500AB*15*
0.0012	18.0	11.0	5.0	15	0.8	MP5–122*0500AB*15*
0.0015	18.0	11.0	5.0	15	0.8	MP5–152*0500AB*15*
0.0018	18.0	11.0	5.0	15	0.8	MP5–182*0500AB*15*
0.0022	18.0	11.0	5.0	15	0.8	MP5–222*0500AB*15*
0.0027	18.0	11.0	5.0	15	0.8	MP5–272*0500AB*15*
0.0033	18.0	11.0	5.0	15	0.8	MP5–332*0500AB*15*
0.0039	18.0	11.0	5.0	15	0.8	MP5–392*0500AB*15*
0.0047	18.0	11.0	5.0	15	0.8	MP5–472*0500AB*15*
0.0056	18.0	11.0	5.0	15	0.8	MP5–562*0500AB*15*
0.0068	18.0	12.0	6.0	15	0.8	MP5–682*0500AB*15*
0.0082	18.0	13.0	7.0	15	0.8	MP5–822*0500AB*15*
0.01	18.0	13.0	7.0	15	0.8	MP5–103*0500AB*15*
0.012	18.0	13.5	7.5	15	0.8	MP5–123*0500AB*15*
0.015	18.0	14.5	8.5	15	0.8	MP5–153*0500AB*15*
0.018	18.0	15.0	9.0	15	0.8	MP5–183*0500AB*15*
0.022	18.0	16.0	10.0	15	0.8	MP5–223*0500AB*15*
0.027	18.0	17.5	11.0	15	0.8	MP5–273*0500AB*15*
0.033	26.0	17.0	8.0	22.5	0.8	MP5–333*0500AB*22*
0.039	26.0	18.5	8.5	22.5	0.8	MP5–393*0500AB*22*
0.047	26.0	18.5	10.0	22.5	0.8	MP5–473*0500AB*22*
0.056	26.0	19.0	10.0	22.5	0.8	MP5–563*0500AB*22*
0.068	26.0	20.0	11.5	22.5	0.8	MP5–683*0500AB*22*
0.082	26.0	22.0	12.5	22.5	0.8	MP5–823*0500AB*22*

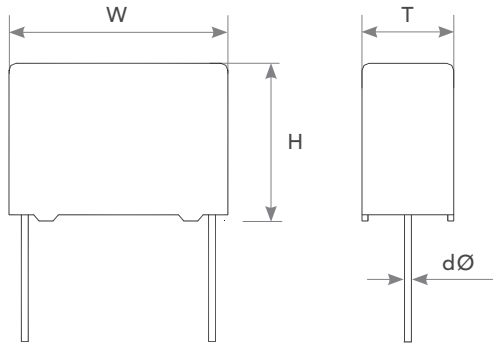
R.V.	700VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.001	18.0	11.0	5.0	15	0.8	MP5–102*0700AB*15*
0.0012	18.0	11.0	5.0	15	0.8	MP5–122*0700AB*15*
0.0015	18.0	11.0	5.0	15	0.8	MP5–152*0700AB*15*
0.0018	18.0	11.0	5.0	15	0.8	MP5–182*0700AB*15*
0.0022	18.0	11.0	5.0	15	0.8	MP5–222*0700AB*15*
0.0027	18.0	11.0	5.0	15	0.8	MP5–272*0700AB*15*
0.0033	18.0	11.0	5.0	15	0.8	MP5–332*0700AB*15*
0.0039	18.0	12.0	6.0	15	0.8	MP5–392*0700AB*15*
0.0047	18.0	12.0	6.0	15	0.8	MP5–472*0700AB*15*
0.0056	18.0	13.0	7.0	15	0.8	MP5–562*0700AB*15*
0.0068	18.0	13.5	7.5	15	0.8	MP5–682*0700AB*15*
0.0082	18.0	14.0	8.0	15	0.8	MP5–822*0700AB*15*
0.01	18.0	14.5	8.5	15	0.8	MP5–103*0700AB*15*
0.012	18.0	16.0	10.0	15	0.8	MP5–123*0700AB*15*
0.015	18.0	17.0	10.0	15	0.8	MP5–153*0700AB*15*
0.018	18.0	19.0	11.0	15	0.8	MP5–183*0700AB*15*
0.022	26.0	17.0	8.0	22.5	0.8	MP5–223*0700AB*22*
0.027	26.0	18.0	9.0	22.5	0.8	MP5–273*0700AB*22*
0.033	26.0	18.5	10.0	22.5	0.8	MP5–333*0700AB*22*
0.039	26.0	20.0	11.0	22.5	0.8	MP5–393*0700AB*22*
0.047	26.0	20.0	11.5	22.5	0.8	MP5–473*0700AB*22*
0.056	26.0	22.0	12.5	22.5	0.8	MP5–563*0700AB*22*
0.068	26.0	23.0	14.5	22.5	0.8	MP5–683*0700AB*22*
0.082	26.0	25.0	16.0	22.5	0.8	MP5–823*0700AB*22*

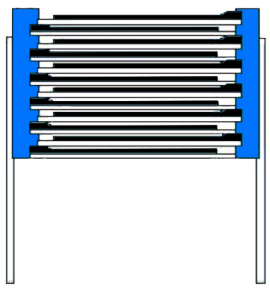
Cap. (μF) | 标准单位 (Size unit): mm

R.V.	900VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.001	18.0	11.0	5.0	15	0.8	MP5–102*0900AB*15*
0.0012	18.0	12.0	6.0	15	0.8	MP5–122*0900AB*15*
0.0015	18.0	12.0	6.0	15	0.8	MP5–152*0900AB*15*
0.0018	18.0	13.0	7.0	15	0.8	MP5–182*0900AB*15*
0.0022	18.0	13.5	7.5	15	0.8	MP5–222*0900AB*15*
0.0027	18.0	14.5	8.5	15	0.8	MP5–272*0900AB*15*
0.0033	18.0	15.0	9.0	15	0.8	MP5–332*0900AB*15*
0.0039	18.0	17.0	10.0	15	0.8	MP5–392*0900AB*15*
0.0047	18.0	18.0	10.0	15	0.8	MP5–472*0900AB*15*
0.0056	18.0	19.0	12.0	15	0.8	MP5–562*0900AB*15*
0.0068	26.0	15.0	6.0	22.5	0.8	MP5–682*0900AB*22*
0.0082	26.0	16.0	7.0	22.5	0.8	MP5–822*0900AB*22*
0.01	26.0	16.5	7.5	22.5	0.8	MP5–103*0900AB*22*
0.012	26.0	17.0	8.5	22.5	0.8	MP5–123*0900AB*22*
0.015	26.0	18.5	10.0	22.5	0.8	MP5–153*0900AB*22*
0.018	26.0	20.0	11.0	22.5	0.8	MP5–183*0900AB*22*
0.022	26.0	21.5	12.0	22.5	0.8	MP5–223*0900AB*22*

【干扰抑制电容器】X2电容 (标准尺寸–MKP–X2)
INTERFERENCE SUPPRESSION CAPACITOR / X2 CAPACITOR (STANDARD SIZE–MKP–X2)

MKP–X2





金属化聚丙烯薄膜
Metallized Polypropylene Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡铜包钢线
  Leads: Tinned copper clad–steel wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 良好的自愈性
  Self–healing properties
- 符合UL、CSA、ENEC、CQC安规电容
  In accordance with UL, CSA, ENEC, CQC safety regulations
- X2类
  Class X2

推荐应用 Recommended Application:

- 干扰抑制器
  Interference suppressors
- 天线耦合
  Antenna coupling
- 跨线；EMI滤波器
  Across the line; EMI filter
- 室内环境使用
  Indoor environmental use
- 不与主电源和工业电源串联使用
  Not for use in series with the mains and industrial power supply

电气特性 Electrical Characteristics:

引用标准 Related Documents	UL 60384–14:2014, CAN/CSA–E60384–14:2014, IEC60384–14:2013, EN60384–14:2013, GB/T 6346.14–2015	
额定电压 Rated Voltage	275VAC, 305VAC, 310VAC	
额定温度 Rated Temperature	–40°C ~ +110°C	
容量范围 Capacitance Range	0.0047μF ~ 2.2μF	
损耗角正切 Dissipation Factor	0.15% or less. at 1Khz, 20±5°C, Pitch≦7.5mm 0.1% or less. at 1Khz, 20±5°C, Pitch＞7.5mm	
绝缘电阻 Insulation Resistance	Terminal to Terminal: ≧15000MΩ at DC 100V (C≦0.33μF) ≧5000MΩ×μF at DC 100V (C＞0.33μF)	Terminal to Enclosure: ≧30000MΩ at DC 100V ≧500MΩ at DC 500V
耐压 Withstand Voltage	[Between terminal] : Nothing abnormal shall be found, when a voltage specified below is applied 2200VDC for 3 sec. [Between terminal and enclosure] : Nothing abnormal shall be found when apply a voltage of 2050VAC for 1 minute.	

额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	7.5 mm	10 mm	15 mm	22.5 mm	27.5 mm
	630VDC	500	400	300	180	120
气候类别 Climate Category	代碼字母G和數位元40 = 最低极限温度.... –40°C 代碼字母M和數位元110 = 最高极限温度.... +110°C 代碼字母F和數位元56 = 相对湿度的最大限值 [湿热试验天数.... 56天] 代碼字母B = 阻燃性類別 code letter G and number 40 = Minimum limit temperature.... –40°C code letter M and number 110 = Maximum limit temperature.... +110°C code letter F and number 56 = Maximum limit of Relative Humidity [The days of damp heat test....56 days] code letter B = Category of Passive flammability.					

安全认证 Safety Approvals:

LOGO MARK	COUNTRY	APPROVAL STANDARD	APPROVAL NO.	CLASS	CAP. RANGE	RATED VOLTAGE
UL	U.S.A	UL 60384–14:2014 CAN/CSA E60384–1/14:2014	20170803–E149075	X2	0.0047μF ~ 10.0μF	310VAC
CSA	CANADA	CAN/CSA E60384–1/14:09	2294211	X2	0.0047μF ~ 10.0μF	310VAC
CB	EUROPE	IEC60384–14:2013	SE–93931	X2	0.0047μF ~ 10.0μF	310VAC
ENEC	EUROPE	EN60384–14:2013	SE/0252–5E	X2	0.0047μF ~ 10.0μF	310VAC
CQC	CHINA	GB/T 6346.14–2015	CQC09001029854	X2	0.0047μF ~ 10.0μF	310VAC

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	275VAC, 305VAC, 310VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.0047	10.0	8.0	4.0	7.5	0.6	MKP–472*****AB*07*
0.0056	10.0	8.0	4.0	7.5	0.6	MKP–562*****AB*07*
0.0068	10.0	8.0	4.0	7.5	0.6	MKP–682*****AB*07*
0.0082	10.0	8.0	4.0	7.5	0.6	MKP–822*****AB*07*
0.01	10.0	8.0	4.0	7.5	0.6	MKP–103*****AB*07*
0.012	10.0	8.0	4.0	7.5	0.6	MKP–123*****AB*07*
0.015	10.0	9.0	4.0	7.5	0.6	MKP–153*****AB*07*
0.018	10.0	9.0	4.0	7.5	0.6	MKP–183*****AB*07*
0.022	10.0	9.0	4.0	7.5	0.6	MKP–223*****AB*07*
0.027	10.0	10.0	5.0	7.5	0.6	MKP–273*****AB*07*
0.033	10.0	10.0	5.0	7.5	0.6	MKP–333*****AB*07*

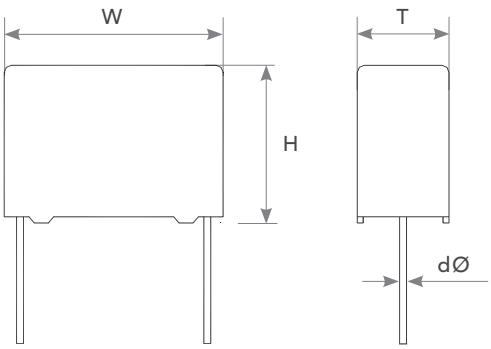
R.V.	275VAC, 305VAC, 310VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.039	10.0	11.0	5.0	7.5	0.6	MKP–393*****AB*07*
0.047	10.0	12.0	6.0	7.5	0.6	MKP–473*****AB*07*
0.056	10.0	12.0	6.0	7.5	0.6	MKP–563*****AB*07*
0.0047	13.0	10.0	5.0	10.0	0.6	MKP–472*****AB*10*
0.0056	13.0	10.0	5.0	10.0	0.6	MKP–562*****AB*10*
0.0068	13.0	10.0	5.0	10.0	0.6	MKP–682*****AB*10*
0.0082	13.0	10.0	5.0	10.0	0.6	MKP–822*****AB*10*
0.01	13.0	10.0	5.0	10.0	0.6	MKP–103*****AB*10*
0.012	13.0	10.0	5.0	10.0	0.6	MKP–123*****AB*10*
0.015	13.0	11.0	5.0	10.0	0.6	MKP–153*****AB*10*
0.018	13.0	11.0	5.0	10.0	0.6	MKP–183*****AB*10*

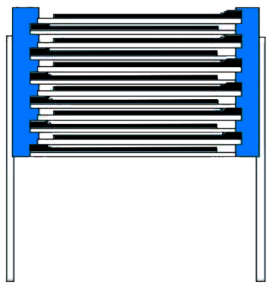
R.V.	275VAC, 305VAC, 310VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.022	13.0	11.0	5.0	10.0	0.6	MKP–223*****AB*10*
0.027	13.0	11.0	5.0	10.0	0.6	MKP–273*****AB*10*
0.033	13.0	11.0	5.0	10.0	0.6	MKP–333*****AB*10*
0.039	13.0	9.0	4.0	10.0	0.6	MKP–393*****AB*10*
0.047	13.0	10.0	5.0	10.0	0.6	MKP–473*****AB*10*
0.056	13.0	10.0	5.0	10.0	0.6	MKP–563*****AB*10*
0.068	13.0	11.0	5.0	10.0	0.6	MKP–683*****AB*10*
0.082	13.0	12.0	6.0	10.0	0.6	MKP–823*****AB*10*
0.1	13.0	12.0	6.0	10.0	0.6	MKP–104*****AB*10*
0.12	13.0	13.0	7.0	10.0	0.6	MKP–124*****AB*10*
0.15	13.0	14.0	8.0	10.0	0.6	MKP–154*****AB*10*
0.01	18.0	11.0	5.0	15.0	0.8	MKP–103*****AB*15*
0.015	18.0	11.0	5.0	15.0	0.8	MKP–153*****AB*15*
0.022	18.0	11.0	5.0	15.0	0.8	MKP–223*****AB*15*
0.033	18.0	11.0	5.0	15.0	0.8	MKP–333*****AB*15*
0.039	18.0	11.0	5.0	15.0	0.8	MKP–393*****AB*15*
0.047	18.0	11.0	5.0	15.0	0.8	MKP–473*****AB*15*
0.056	18.0	11.0	5.0	15.0	0.8	MKP–563*****AB*15*
0.068	18.0	11.0	5.0	15.0	0.8	MKP–683*****AB*15*
0.082	18.0	11.0	5.0	15.0	0.8	MKP–823*****AB*15*
0.1	18.0	11.0	5.0	15.0	0.8	MKP–104*****AB*15*
0.12	18.0	12.0	6.0	15.0	0.8	MKP–124*****AB*15*
0.15	18.0	12.0	6.0	15.0	0.8	MKP–154*****AB*15*
0.18	18.0	12.0	6.0	15.0	0.8	MKP–184*****AB*15*
0.22	18.0	13.0	7.0	15.0	0.8	MKP–224*****AB*15*
0.27	18.0	14.5	7.5	15.0	0.8	MKP–274*****AB*15*
0.33	18.0	15.5	8.0	15.0	0.8	MKP–334*****AB*15*
0.33	18.0	13.5	10.0	15.0	0.8	MKP–334*****AB*15*
0.39	18.0	17.0	8.0	15.0	0.8	MKP–394*****AB*15*
0.47	18.0	18.0	9.0	15.0	0.8	MKP–474*****AB*15*
0.56	18.0	19.0	10.0	15.0	0.8	MKP–564*****AB*15*

R.V.	275VAC, 305VAC, 310VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.15	26.0	14.5	6.0	22.5	0.8	MKP–154*****AB*22*
0.18	26.0	14.5	6.0	22.5	0.8	MKP–184*****AB*22*
0.22	26.0	14.5	6.0	22.5	0.8	MKP–224*****AB*22*
0.33	26.0	16.5	7.5	22.5	0.8	MKP–334*****AB*22*
0.39	26.0	16.5	7.5	22.5	0.8	MKP–394*****AB*22*
0.47	26.0	16.5	7.5	22.5	0.8	MKP–474*****AB*22*
0.56	26.0	16.5	7.5	22.5	0.8	MKP–564*****AB*22*
0.68	26.0	17.0	8.0	22.5	0.8	MKP–684*****AB*22*
0.82	26.0	18.0	9.0	22.5	0.8	MKP–824*****AB*22*
1.0	26.0	19.0	10.0	22.5	0.8	MKP–105*****AB*22*
1.2	26.0	20.0	11.5	22.5	0.8	MKP–125*****AB*22*
1.5	26.0	22.0	12.0	22.5	0.8	MKP–155*****AB*22*
1.8	26.0	24.0	14.0	22.5	0.8	MKP–185*****AB*22*
2.2	26.0	25.0	15.0	22.5	0.8	MKP–225*****AB*22*
0.47	31.0	18.0	9.0	27.5	0.8	MKP–474*****AB*27*
0.56	31.0	20.0	10.0	27.5	0.8	MKP–564*****AB*27*
0.68	31.0	20.0	10.0	27.5	0.8	MKP–684*****AB*27*
0.82	31.0	20.0	11.0	27.5	0.8	MKP–824*****AB*27*
1.0	31.0	20.0	11.0	27.5	0.8	MKP–105*****AB*27*
1.5	31.0	23.5	14.0	27.5	0.8	MKP–155*****AB*27*
2.2	31.0	26.0	18.0	27.5	0.8	MKP–225*****AB*27*

【干扰抑制电容器】X2电容 (小型化–MKP–X2)
INTERFERENCE SUPPRESSION CAPACITOR / X2 CAPACITOR (SMALL SIZE–MKP–X2)

MKP–X2





金属化聚丙烯薄膜
Metallized Polypropylene Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡铜包钢线
  Leads: Tinned copper clad–steel wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 良好的自愈性
  Self–healing properties
- 符合UL、CUL、ENEC、CQC安规电容
  In accordance with UL, CUL, ENEC, CQC safety regulations
- X2类
  Class X2
- 小型化
  Small in size

推荐应用 Recommended Application:

- 干扰抑制器
  Interference suppressors
- 电磁干扰滤波器
  EMI filter
- 小功率适配器
  Small power adaptor
- 室内环境使用
  Indoor environmental use
- 不与主电源和工业电源串联使用
  Not for use in series with the mains and industrial power supply

电气特性 Electrical Characteristics:

引用标准 Related Documents	UL 60384–14:2014, IEC60384–14:2013, EN60384–14:2013, GB/T 6346.14–2015	
额定电压 Rated Voltage	250 ~ 310VAC	
额定温度 Rated Temperature	–40°C ~ +110°C	
容量范围 Capacitance Range	0.0047μF ~ 2.2μF	
损耗角正切 Dissipation Factor	0.15% or less. at 1Khz, 20±5°C, Pitch≦7.5mm 0.1% or less. at 1Khz, 20±5°C, Pitch＞7.5mm	
绝缘电阻 Insulation Resistance	Terminal to Terminal: ≥15000MΩ at DC 100V (C≦0.33μF) ≥5000MΩ×μF at DC 100V (C＞0.33μF)	Terminal to Enclosure: ≥30000MΩ at DC 100V ≥500MΩ at DC 500V
耐压 Withstand Voltage	[Between terminal] : Nothing abnormal shall be found, when a voltage specified below is applied 1500VDC for 3 sec. [Between terminal and enclosure] : Nothing abnormal shall be found when apply a voltage of 2050VAC for 1 minute.	

额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	7.5 mm	10 mm	15 mm	22.5 mm	27.5 mm	37.5 mm
	560VDC	500	400	300	180	120	70
气候类别 Climate Category	代碼字母G和數位元40 = 最低极限温度.... –40°C 代碼字母M和數位元110 = 最高极限温度.... +110°C 代碼字母F和數位元56 = 相对湿度的最大限值 [湿热试验天数.... 56天] 代碼字母B = 阻燃性類別 code letter G and number 40 = Minimum limit temperature.... –40°C code letter M and number 110 = Maximum limit temperature.... +110°C code letter F and number 56 = Maximum limit of Relative Humidity [The days of damp heat test....56 days] code letter B = Category of Passive flammability.						

安全认证 Safety Approvals:

LOGO MARK	COUNTRY	APPROVAL STANDARD	APPROVAL NO.	CLASS	CAP. RANGE	RATED VOLTAGE
UL	U.S.A CANADA	UL 60384–14:2010	E149075	X2	0.0047μF ~ 10.0μF	250 ~ 310VAC
CB	EUROPE	IEC 60384–14:2013	SE–93931	X2	0.0047μF ~ 10.0μF	250 ~ 310VAC
ENEC	EUROPE	EN 60384–14:2013	SE/0252–5E	X2	0.0047μF ~ 10.0μF	250 ~ 310VAC
CQC	CHINA	GB/T 6346.14–2015	CQC09001029854	X2	0.0047μF ~ 10.0μF	250 ~ 310VAC

Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	275VAC, 305VAC, 310VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.0047	10.0	8.0	4.0	7.5	0.6	MKP–472*****AB*07*–PV
0.0056	10.0	8.0	4.0	7.5	0.6	MKP–562*****AB*07*–PV
0.0068	10.0	8.0	4.0	7.5	0.6	MKP–682*****AB*07*–PV
0.0082	10.0	8.0	4.0	7.5	0.6	MKP–822*****AB*07*–PV
0.01	10.0	8.0	4.0	7.5	0.6	MKP–103*****AB*07*–PV
0.015	10.0	8.0	4.0	7.5	0.6	MKP–153*****AB*07*–PV
0.022	10.0	8.0	4.0	7.5	0.6	MKP–223*****AB*07*–PV
0.033	10.0	9.0	5.0	7.5	0.6	MKP–333*****AB*07*–PV
0.047	10.0	10.0	5.0	7.5	0.6	MKP–473*****AB*07*–PV
0.056	10.0	11.0	5.0	7.5	0.6	MKP–563*****AB*07*–PV
0.068	10.0	12.0	6.0	7.5	0.6	MKP–683*****AB*07*–PV
0.082	10.0	12.0	6.0	7.5	0.6	MKP–823*****AB*07*–PV

R.V.	275VAC, 305VAC, 310VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.1	10.0	13.0	7.0	7.5	0.6	MKP–104*****AB*07*–PV
0.0047	13.0	8.0	4.0	10.0	0.6	MKP–472*****AB*10*–PV
0.0056	13.0	9.0	4.0	10.0	0.6	MKP–562*****AB*10*–PV
0.0068	13.0	9.0	4.0	10.0	0.6	MKP–682*****AB*10*–PV
0.0082	13.0	9.0	4.0	10.0	0.6	MKP–822*****AB*10*–PV
0.01	13.0	9.0	4.0	10.0	0.6	MKP–103*****AB*10*–PV
0.015	13.0	9.0	4.0	10.0	0.6	MKP–153*****AB*10*–PV
0.022	13.0	9.0	4.0	10.0	0.6	MKP–223*****AB*10*–PV
0.033	13.0	9.0	4.0	10.0	0.6	MKP–333*****AB*10*–PV
0.047	13.0	9.0	4.0	10.0	0.6	MKP–473*****AB*10*–PV
0.056	13.0	9.5	4.5	10.0	0.6	MKP–563*****AB*10*–PV
0.068	13.0	10.0	5.0	10.0	0.6	MKP–683*****AB*10*–PV

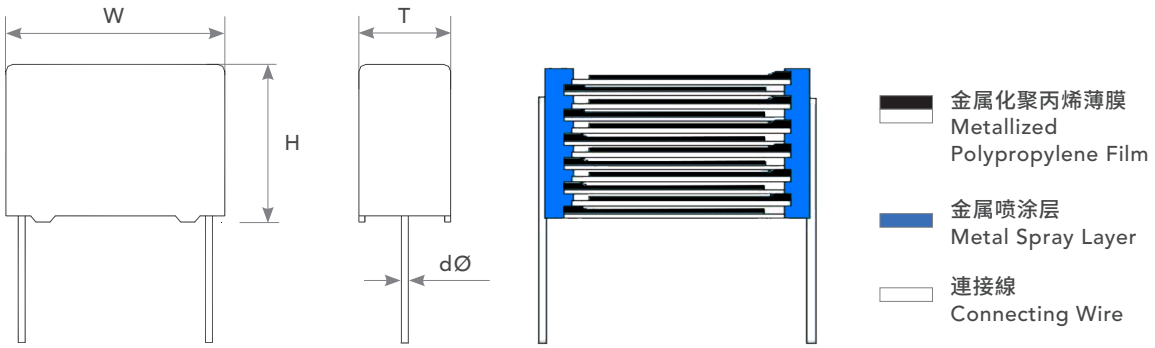
R.V.	275VAC, 305VAC, 310VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.082	13.0	11.0	5.0	10.0	0.6	MKP–823*****AB*10*–PV
0.1	13.0	11.0	5.0	10.0	0.6	MKP–104*****AB*10*–PV
0.12	13.0	12.0	6.0	10.0	0.6	MKP–124*****AB*10*–PV
0.15	13.0	12.0	7.0	10.0	0.6	MKP–154*****AB*10*–PV
0.22	13.0	14.0	8.0	10.0	0.6	MKP–224*****AB*10*–PV
0.15	15.0	11.5	6.0	12.5	0.6	MKP–154*****AB*12*–PV
0.22	15.0	12.5	7.0	12.5	0.6	MKP–224*****AB*12*–PV
0.33	15.0	14.0	8.5	12.5	0.6	MKP–334*****AB*12*–PV
0.39	15.0	15.0	9.0	12.5	0.6	MKP–394*****AB*12*–PV
0.47	15.0	16.0	10.0	12.5	0.6	MKP–474*****AB*12*–PV
0.56	15.0	17.0	11.0	12.5	0.6	MKP–564*****AB*12*–PV
0.01	18.0	8.0	4.0	15.0	0.6	MKP–103*****AB*15*–PV
0.015	18.0	8.0	4.0	15.0	0.6	MKP–153*****AB*15*–PV
0.022	18.0	9.0	4.0	15.0	0.6	MKP–223*****AB*15*–PV
0.033	18.0	9.0	4.0	15.0	0.6	MKP–333*****AB*15*–PV
0.047	18.0	9.0	4.0	15.0	0.6	MKP–473*****AB*15*–PV
0.056	18.0	9.0	4.0	15.0	0.6	MKP–563*****AB*15*–PV
0.068	18.0	10.0	4.0	15.0	0.6	MKP–683*****AB*15*–PV
0.082	18.0	10.0	5.0	15.0	0.8	MKP–823*****AB*15*–PV
0.1	18.0	10.0	5.0	15.0	0.8	MKP–104*****AB*15*–PV
0.12	18.0	10.0	5.0	15.0	0.8	MKP–124*****AB*15*–PV
0.15	18.0	10.5	5.0	15.0	0.8	MKP–154*****AB*15*–PV
0.22	18.0	11.5	6.0	15.0	0.8	MKP–224*****AB*15*–PV
0.33	18.0	13.0	7.0	15.0	0.8	MKP–334*****AB*15*–PV
0.39	18.0	13.5	7.5	15.0	0.8	MKP–394*****AB*15*–PV
0.47	18.0	14.0	8.0	15.0	0.8	MKP–474*****AB*15*–PV
0.56	18.0	15.0	9.0	15.0	0.8	MKP–564*****AB*15*–PV
0.68	18.0	16.0	10.0	15.0	0.8	MKP–684*****AB*15*–PV
0.82	18.0	17.5	10.0	15.0	0.8	MKP–824*****AB*15*–PV
1.0	18.0	18.5	11.0	15.0	0.8	MKP–105*****AB*15*–PV
0.15	26.0	11.0	5.0	22.5	0.8	MKP–154*****AB*22*–PV

R.V.	275VAC, 305VAC, 310VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.22	26.0	11.0	5.0	22.5	0.8	MKP–224*****AB*22*–PV
0.33	26.0	12.0	6.0	22.5	0.8	MKP–334*****AB*22*–PV
0.39	26.0	12.0	6.0	22.5	0.8	MKP–394*****AB*22*–PV
0.47	26.0	14.0	6.0	22.5	0.8	MKP–474*****AB*22*–PV
0.56	26.0	14.0	7.0	22.5	0.8	MKP–564*****AB*22*–PV
0.68	26.0	15.0	7.5	22.5	0.8	MKP–684*****AB*22*–PV
0.82	26.0	16.0	8.0	22.5	0.8	MKP–824*****AB*22*–PV
1.0	26.0	17.0	9.0	22.5	0.8	MKP–105*****AB*22*–PV
1.2	26.0	19.5	9.0	22.5	0.8	MKP–125*****AB*22*–PV
1.5	26.0	21.0	10.0	22.5	0.8	MKP–155*****AB*22*–PV
1.8	26.0	23.0	12.5	22.5	0.8	MKP–185*****AB*22*–PV
2.2	26.0	24.0	13.5	22.5	0.8	MKP–225*****AB*22*–PV
2.2	26.0	22.0	15.0	22.5	0.8	MKP–225*****AB*22*–PV
0.47	31.0	13.5	6.0	27.5	0.8	MKP–474*****AB*27*–PV
0.56	31.0	14.0	6.5	27.5	0.8	MKP–564*****AB*27*–PV
0.68	31.0	15.5	6.5	27.5	0.8	MKP–684*****AB*27*–PV
0.82	31.0	16.0	7.5	27.5	0.8	MKP–824*****AB*27*–PV
1.0	31.0	17.0	8.0	27.5	0.8	MKP–105*****AB*27*–PV
1.2	31.0	17.5	9.0	27.5	0.8	MKP–125*****AB*27*–PV
1.5	31.0	18.5	10.0	27.5	0.8	MKP–155*****AB*27*–PV
1.8	31.0	20.5	12.0	27.5	0.8	MKP–185*****AB*27*–PV
2.2	31.0	22.0	13.0	27.5	0.8	MKP–225*****AB*27*–PV

【干扰抑制电容器】X2电容 (MKP–THB)
INTERFERENCE SUPPRESSION CAPACITOR / X2 CAPACITOR (MKP–THB) THB–1000H–305VAC

MKP–X2 THB

THB–版–防潮 (THB–Version–Temperature Humidity Bias)



结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡线
  Leads: Tinned wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 在高环境温度和高湿度等恶劣环境条件下具有优异的长期稳定性
  Excellent long term–stability under tough environmental conditions – such as high ambient temperatures and high humidity
- 良好的自愈性
  Self–healing properties
- 符合UL、CUL、ENEC、CQC安规电容
  In accordance with UL, CUL, ENEC, CQC safety regulations
- X2类
  Class X2

推荐应用 Recommended Application:

- 对长期稳定性要求很高的所有应用，如：功率表
  All applications with high demand on excellent long term–stability, such as: Power Meters
- 电容式电源应用
  Capacitive Power Supply applications
- 户外应用
  Outdoor applications
- 恶劣环境条件下
  For severe ambient conditions
- 用于与电源串联
  For connection in series with the mains
- 跨线
  Across the line
- EMI滤波器
  EMI filter

电气特性 Electrical Characteristics:

引用标准 Related Documents	UL 60384–14:2014, CAN/CSA–E60384–14:2014, IEC60384–14:2013, EN60384–14:2013, GB/T 6346.14–2015	
额定电压 Rated Voltage	305VAC (ENEC, CQC), 310VAC (UL, CUL)	
额定温度 Rated Temperature	–40°C ~ +110°C	
容量范围 Capacitance Range	0.047μF ~ 10.0μF	
损耗角正切 Dissipation Factor	0.1% or less. at 1Khz, 20±5°C	
绝缘电阻 Insulation Resistance	Terminal to Terminal: ≥ 15000MΩ at DC 100V (C≦0.33μF) ≥ 5000MΩ×μF at DC 100V (C＞0.33μF)	Terminal to Enclosure: ≥ 30000MΩ at DC 100V ≥ 500MΩ at DC 500V

耐压 Withstand Voltage	[Between terminal] : Nothing abnormal shall be found, when a voltage specified below is applied 1500VDC for 3 sec. [Between terminal and enclosure] : Nothing abnormal shall be found when apply a voltage of 2050VAC for 1 minute.				
额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	15 mm	22.5 mm	27.5 mm	37.5 mm
	750VDC	300	180	120	100
气候类别 Climate Category	代碼字母G和數位元40 = 最低极限温度.... –40°C 代碼字母M和數位元110 = 最高极限温度.... +110°C 代碼字母F和數位元56 = 相对湿度的最大限值 [湿热试验天数.... 56天] 代碼字母B = 阻燃性類別 code letter G and number 40 = Minimum limit temperature.... –40°C code letter M and number 110 = Maximum limit temperature.... +110°C code letter F and number 56 = Maximum limit of Relative Humidity [The days of damp heat test....56 days] code letter B = Category of Passive flammability.				

信赖性测试 Reliability Test:

测试方法 Test Method	要求 Requirements
温度 Temperature: 85°C 相对湿度 Relative humidity: 85% 施加电压 Voltage applied: 305VAC 周期 Duration: 1000 hours	容量变化 Capacitance change ｜△C/C｜: ≦ 10% △tanδ ≦ 2.4% at 10KHz, C ≦1uF △tanδ ≦ 1.5% at 1KHz, C ＞1uF 绝缘阻抗 Insulation Resistance: ≧ 50% of spec value

安全认证 Safety Approvals:

LOGO MARK	COUNTRY	APPROVAL STANDARD	APPROVAL NO.	CLASS	CAP. RANGE	RATED VOLTAGE
UL	U.S.A	UL 60384–14:2014 CAN/CSA E60384–1/14:2014	20181116–E149075	X2	0.0047μF ~ 10.0μF	310VAC
CSA	CANADA	CAN/CSA E60384–1/14:09	2294211	X2	0.0047μF ~ 10.0μF	310VAC
CB TEST	EUROPE	IEC60384–14:2013	SE-93931	X2	0.0047μF ~ 10.0μF	310VAC
ENEC	EUROPE	EN60384–14:2013	SE/0252–5E	X2	0.0047μF ~ 10.0μF	310VAC
CQC	CHINA	GB/T 6346.14–2015	CQC09001029854	X2	0.0047μF ~ 10.0μF	310VAC

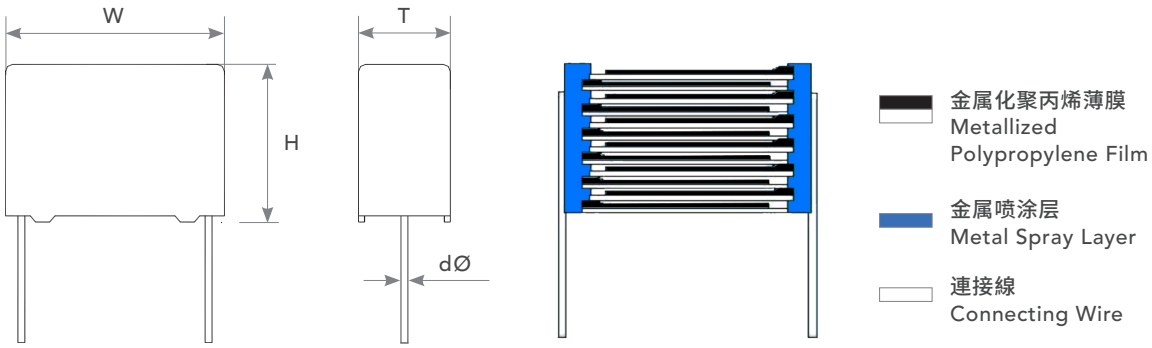
Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	305 VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.047	18	12	6	15	0.8	MKP–473*0305AB*15*U
0.068	18	13	7	15	0.8	MKP–683*0305AB*15*U
0.1	18	13.5	7.5	15	0.8	MKP–104*0305AB*15*U
0.15	18	13.5	7.5	15	0.8	MKP–154*0305AB*15*U
0.22	18	15	9	15	0.8	MKP–224*0305AB*15*U
0.33	18	18	10	15	0.8	MKP–334*0305AB*15*U
0.47	18	19	12.5	15	0.8	MKP–474*0305AB*15*U
0.15	26	14.5	6	22.5	0.8	MKP–154*0305AB*22*U
0.22	26	15	7.5	22.5	0.8	MKP–224*0305AB*22*U
0.33	26	17	8	22.5	0.8	MKP–334*0305AB*22*U
0.47	26	19	10	22.5	0.8	MKP–474*0305AB*22*U
0.56	26	20	10	22.5	0.8	MKP–564*0305AB*22*U
0.68	26	20	11.5	22.5	0.8	MKP–684*0305AB*22*U
0.82	26	22	12	22.5	0.8	MKP–824*0305AB*22*U
1.0	26	24	13.5	22.5	0.8	MKP–105*0305AB*22*U

R.V.	305 VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.47	31	18	9	27.5	0.8	MKP–474*0305AB*27*U
0.56	31	20	10	27.5	0.8	MKP–564*0305AB*27*U
0.68	31	20	10	27.5	0.8	MKP–684*0305AB*27*U
0.82	31	21	11	27.5	0.8	MKP–824*0305AB*27*U
1.0	31	22	13	27.5	0.8	MKP–105*0305AB*27*U
1.5	31	24.5	15	27.5	0.8	MKP–155*0305AB*27*U
2.2	31	28	18	27.5	0.8	MKP–225*0305AB*27*U
3.3	41.5	30	18	37.5	1.0	MKP–335*0305AB*37*U
3.9	41.5	32	20	37.5	1.0	MKP–395*0305AB*37*U
4.7	41.5	35	21	37.5	1.0	MKP–475*0305AB*37*U
5.6	41.5	36	24	37.5	1.0	MKP–565*0305AB*37*U
6.8	41.5	39	26	37.5	1.0	MKP–685*0305AB*37*U
8.2	41.5	41	29	37.5	1.0	MKP–825*0305AB*37*U
10	41.5	45	32	37.5	1.0	MKP–106*0305AB*37*U

MKP–X2
THB

THB–版–防潮 (THB–Version–Temperature Humidity Bias)



结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡线
  Leads: Tinned wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 在高环境温度和高湿度等恶劣环境条件下具有优异的长期稳定性
  Excellent long term–stability under tough environmental conditions – such as high ambient temperatures and high humidity
- 良好的自愈性
  Self–healing properties
- 符合UL、CUL、ENEC、CQC安规电容
  In accordance with UL, CUL, ENEC, CQC safety regulations
- X2类
  Class X2

推荐应用 Recommended Application:

- 对长期稳定性要求很高的所有应用，如: 功率表
  All applications with high demand on excellent long term–stability, such as: Power Meters
- 电容式电源应用
  Capacitive Power Supply applications
- 户外应用
  Outdoor applications
- 恶劣环境条件下
  For severe ambient conditions
- 用于与电源串联
  For connection in series with the mains
- 跨线
  Across the line
- EMI滤波器
  EMI filter

电气特性 Electrical Characteristics:

引用标准 Related Documents	UL 60384–14:2014, CAN/CSA–E60384–14:2014, IEC60384–14:2013, EN60384–14:2013, GB/T 6346.14–2015	
额定电压 Rated Voltage	305VAC (ENEC, CQC), 310VAC (UL, CUL)	
额定温度 Rated Temperature	–40°C ~ +110°C	
容量范围 Capacitance Range	0.047μF ~ 10.0μF	
损耗角正切 Dissipation Factor	0.1% or less. at 1Khz, 20±5°C	
绝缘电阻 Insulation Resistance	Terminal to Terminal: ≥ 15000MΩ at DC 100V (C≦0.33μF) ≥ 5000MΩ × μF at DC 100V (C＞0.33μF)	Terminal to Enclosure: ≥ 30000MΩ at DC 100V ≥ 500MΩ at DC 500V

耐压 Withstand Voltage	[Between terminal] : Nothing abnormal shall be found, when a voltage specified below is applied 2200VDC for 3 sec. [Between terminal and enclosure] : Nothing abnormal shall be found when apply a voltage of 2050VAC for 1 minute.

额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	15 mm	22.5 mm	27.5 mm	37.5 mm
	750VDC	300	180	120	100

气候类别 Climate Category	代碼字母G和數位元40 = 最低极限温度.... –40°C 代碼字母M和數位元110 = 最高极限温度.... +110°C 代碼字母F和數位元56 = 相对湿度的最大限值 [湿热试验天数.... 56天] 代碼字母B = 阻燃性類別 code letter G and number 40 = Minimum limit temperature.... –40°C code letter M and number 110 = Maximum limit temperature.... +110°C code letter F and number 56 = Maximum limit of Relative Humidity [The days of damp heat test....56 days] code letter B = Category of Passive flammability.

信赖性测试 Reliability Test:

测试方法 Test Method	要求 Requirements
温度 Temperature: 85°C 相对湿度 Relative humidity: 85% 施加电压 Voltage applied: 305VAC 周期 Duration: 500 hours	容量变化 Capacitance change |△C/C| : ≦ 10% △tan δ ≦ 2.4% at 10KHz, C ≦1uF △tan δ ≦ 1.5% at 1KHz, C >1uF 绝缘阻抗 Insulation Resistance: ≧ 50% of spec value

安全认证 Safety Approvals:

LOGO MARK	COUNTRY	APPROVAL STANDARD	APPROVAL NO.	CLASS	CAP. RANGE	RATED VOLTAGE
UL	U.S.A	UL 60384–14:2014 CAN/CSA E60384–1/14:2014	20181116–E149075	X2	0.0047μF ~ 10.0μF	310VAC
CSA	CANADA	CAN/CSA E60384–1/14:09	2294211	X2	0.0047μF ~ 10.0μF	310VAC
CB TEST	EUROPE	IEC60384–14:2013	SE–93931	X2	0.0047μF ~ 10.0μF	310VAC
ENEC	EUROPE	EN60384–14:2013	SE/0252–5E	X2	0.0047μF ~ 10.0μF	310VAC
CQC	CHINA	GB/T 6346.14–2015	CQC09001029854	X2	0.0047μF ~ 10.0μF	310VAC

Cap. (μF) | 标准单位 (Size unit): mm

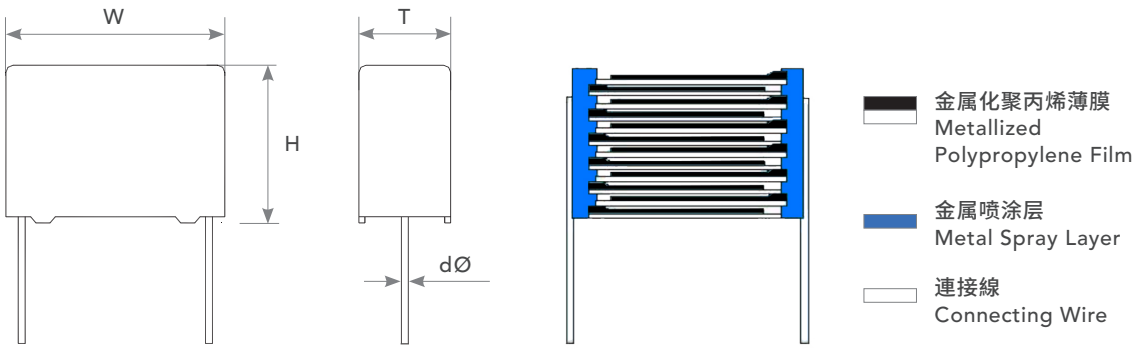
R.V.	305 VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.047	18	12	6	15	0.8	MKP–473*0305AB*15*I
0.068	18	13	7	15	0.8	MKP–683*0305AB*15*I
0.1	18	13.5	7.5	15	0.8	MKP–104*0305AB*15*I
0.15	18	13.5	7.5	15	0.8	MKP–154*0305AB*15*I
0.22	18	15	9	15	0.8	MKP–224*0305AB*15*I
0.33	18	18	10	15	0.8	MKP–334*0305AB*15*I
0.47	18	19	12.5	15	0.8	MKP–474*0305AB*15*I
0.15	26	14.5	6	22.5	0.8	MKP–154*0305AB*22*I
0.22	26	15	7.5	22.5	0.8	MKP–224*0305AB*22*I
0.33	26	17	8	22.5	0.8	MKP–334*0305AB*22*I
0.47	26	19	10	22.5	0.8	MKP–474*0305AB*22*I
0.56	26	20	10	22.5	0.8	MKP–564*0305AB*22*I
0.68	26	20	11.5	22.5	0.8	MKP–684*0305AB*22*I
0.82	26	22	12	22.5	0.8	MKP–824*0305AB*22*I
1.0	26	24	13.5	22.5	0.8	MKP–105*0305AB*22*I

R.V.	305 VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.47	31	18	9	27.5	0.8	MKP–474*0305AB*27*I
0.56	31	20	10	27.5	0.8	MKP–564*0305AB*27*I
0.68	31	20	10	27.5	0.8	MKP–684*0305AB*27*I
0.82	31	21	11	27.5	0.8	MKP–824*0305AB*27*I
1.0	31	22	13	27.5	0.8	MKP–105*0305AB*27*I
1.5	31	24.5	15	27.5	0.8	MKP–155*0305AB*27*I
2.2	31	28	18	27.5	0.8	MKP–225*0305AB*27*I
3.3	41.5	30	18	37.5	1.0	MKP–335*0305AB*37*I
3.9	41.5	32	20	37.5	1.0	MKP–395*0305AB*37*I
4.7	41.5	35	21	37.5	1.0	MKP–475*0305AB*37*I
5.6	41.5	36	24	37.5	1.0	MKP–565*0305AB*37*I
6.8	41.5	39	26	37.5	1.0	MKP–685*0305AB*37*I
8.2	41.5	41	29	37.5	1.0	MKP–825*0305AB*37*I
10	41.5	45	32	37.5	1.0	MKP–106*0305AB*37*I

【干扰抑制电容器】X2电容 (MKP–THB) THB–1000H–305VAC 小型化
INTERFERENCE SUPPRESSION CAPACITOR / X2 CAPACITOR (MKP–THB) THB–1000H–305VAC (SMALL SIZE)

MKP–X2 THB

THB–版–防潮 (THB–Version–Temperature Humidity Bias)



结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡线
  Leads: Tinned wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 在高环境温度和高湿度等恶劣环境条件下具有优异的长期稳定性
  Excellent long term–stability under tough environmental conditions – such as high ambient temperatures and high humidity
- 良好的自愈性
  Self–healing properties
- 符合UL、CUL、ENEC、CQC安规电容
  In accordance with UL, CUL, ENEC, CQC safety regulations
- X2类
  Class X2
- 小尺寸
  Small Size

推荐应用 Recommended Application:

对长期稳定性要求很高的所有应用，如:
All applications with high demand on excellent long term–stability, such as:

- 功率表
  Power Meters
- 电容式电源应用
  Capacitive Power Supply applications
- 户外应用
  Outdoor applications
- 恶劣环境条件下
  For severe ambient conditions
- 用于与电源串联
  For connection in series with the mains
- 跨线
  Across the line
- EMI滤波器
  EMI filter

电气特性 Electrical Characteristics:

引用标准 Related Documents	UL 60384–14:2014, CAN/CSA–E60384–14:2014, IEC60384–14:2013, EN60384–14:2013, GB/T 6346.14–2015
额定电压 Rated Voltage	250 ~ 310 VAC
额定温度 Rated Temperature	–40°C ~ +110°C
容量范围 Capacitance Range	0.027μF ~ 10μF
损耗角正切 Dissipation Factor	0.1% or less. at 1Khz, 20±5°C

绝缘电阻 Insulation Resistance	Terminal to Terminal: ≥15000MΩ at DC 100V (C≦0.33μF) ≥5000MΩ×μF at DC 100V (C>0.33μF)			Terminal to Enclosure: ≥30000MΩ at DC 100V ≥500MΩ at DC 500V	
耐压 Withstand Voltage	[Between terminal] : Nothing abnormal shall be found, when a voltage specified below is applied 2200VDC for 3 sec. [Between terminal and enclosure] : Nothing abnormal shall be found when apply a voltage of 2050VAC for 1 minute.				
额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	15 mm	22.5 mm	27.5 mm	37.5 mm
	630VDC	300	180	120	100
气候类别 Climate Category	代碼字母G和數位元40 = 最低极限温度.... −40°C 代碼字母M和數位元110 = 最高极限温度.... +110°C 代碼字母F和數位元56 = 相对湿度的最大限值 [湿热试验天数.... 56天] 代碼字母B = 阻燃性類別 code letter G and number 40 = Minimum limit temperature.... −40°C code letter M and number 110 = Maximum limit temperature.... +110°C code letter F and number 56 = Maximum limit of Relative Humidity [The days of damp heat test....56 days] code letter B = Category of Passive flammability.				

信赖性测试 Reliability Test:

测试方法 Test Method	要求 Requirements
温度 Temperature: 85°C 相对湿度 Relative humidity: 85% 施加电压 Voltage applied: 240VAC 周期 Duration: 1000 hours	容量变化 Capacitance change |△C/C| : ≦ 10% △tanδ≦ 2.4% at 10KHz, C ≦1uF △tanδ≦ 1.5% at 1KHz, C >1uF 绝缘阻抗 Insulation Resistance: ≧ 50% of spec value

安全认证 Safety Approvals:

LOGO MARK	COUNTRY	APPROVAL STANDARD	APPROVAL NO.	CLASS	CAP. RANGE	RATED VOLTAGE
UL	U.S.A	UL 60384-14:2014 CAN/CSA E60384-1/14:2014	20181116-E149075	X2	0.0047μF ~ 10.0μF	310VAC
CSA	CANADA	CAN/CSA E60384-1/14:09	2294211	X2	0.0047μF ~ 10.0μF	310VAC
CB TEST	EUROPE	IEC60384-14:2013	SE-93931	X2	0.0047μF ~ 10.0μF	310VAC
ENEC	EUROPE	EN60384-14:2013	SE/0252-5E	X2	0.0047μF ~ 10.0μF	310VAC
CQC	CHINA	GB/T 6346.14-2015	CQC09001029854	X2	0.0047μF ~ 10.0μF	310VAC

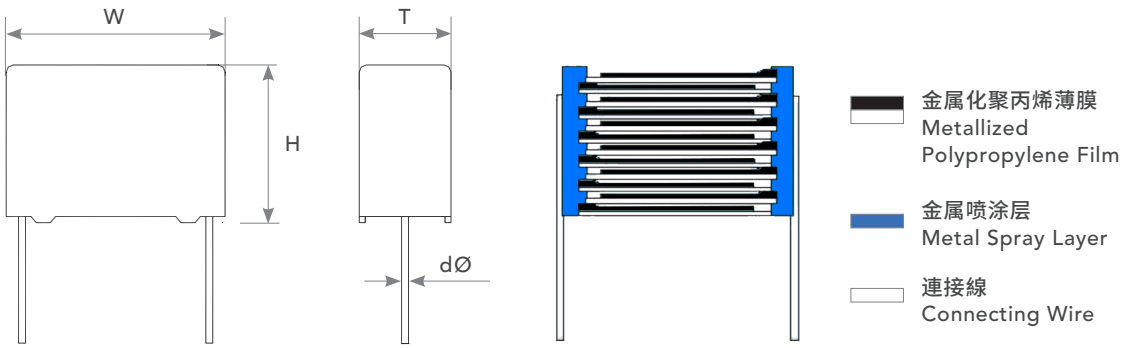
Cap. (μF) | **标准单位 (Size unit): mm**

R.V.	305 VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.027	13	11	5	10	0.6	MKP–273*0305AB*10*US
0.033	13	11	5	10	0.6	MKP–333*0305AB*10*US
0.039	13	11	5	10	0.6	MKP–393*0305AB*10*US
0.047	13	12	6	10	0.6	MKP–473*0305AB*10*US
0.056	13	12	6	10	0.6	MKP–563*0305AB*10*US
0.068	13	13	7	10	0.6	MKP–683*0305AB*10*US
0.082	13	13	7	10	0.6	MKP–823*0305AB*10*US
0.1	13	14	8	10	0.6	MKP–104*0305AB*10*US
0.047	18	12	6	15	0.8	MKP–473*0305AB*15*US
0.068	18	12	6	15	0.8	MKP–683*0305AB*15*US
0.1	18	12	6	15	0.8	MKP–104*0305AB*15*US
0.15	18	12	6	15	0.8	MKP–154*0305AB*15*US
0.22	18	13.5	7.5	15	0.8	MKP–224*0305AB*15*US
0.33	18	15	9	15	0.8	MKP–334*0305AB*15*US
0.47	18	18	9	15	0.8	MKP–474*0305AB*15*US
0.56	18	19	11	15	0.8	MKP–564*0305AB*15*US
0.68(M)	18	19	11	15	0.8	MKP–684*0305AB*15*US
0.68	18	19	12.5	15	0.8	MKP–684*0305AB*15*US
0.33	26	14.5	7	22.5	0.8	MKP–334*0305AB*22*US
0.47	26	16.5	7.5	22.5	0.8	MKP–474*0305AB*22*US
0.56	26	18.5	8.5	22.5	0.8	MKP–564*0305AB*22*US
0.68	26	18.5	8.5	22.5	0.8	MKP–684*0305AB*22*US

R.V.	305 VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.82	26	19	10	22.5	0.8	MKP–824*0305AB*22*US
1.0	26	20	11.5	22.5	0.8	MKP–105*0305AB*22*US
1.5	26	24	14	22.5	0.8	MKP–155*0305AB*22*US
2.2(M)	26	25	15	22.5	0.8	MKP–225*0305AB*22*US
0.68	31	18	9	27.5	0.8	MKP–684*0305AB*27*US
0.82	31	18	9	27.5	0.8	MKP–824*0305AB*27*US
1.0	31	20	10	27.5	0.8	MKP–105*0305AB*27*US
1.5	31	20.5	12	27.5	0.8	MKP–155*0305AB*27*US
2.2	31	24.5	15	27.5	0.8	MKP–225*0305AB*27*US
3.3	31	28	18	27.5	0.8	MKP–335*0305AB*27*US
3.3	31	33	18	27.5	0.8	MKP–335*0305AB*27*US
4.7	31	37	22	27.5	0.8	MKP–475*0305AB*27*US
3.3	41.5	27.5	16	37.5	1.0	MKP–335*0305AB*37*US
4.7	41.5	31.5	18.5	37.5	1.0	MKP–475*0305AB*37*US
5.6(M)	41.5	35	19	37.5	1.0	MKP–565*0305AB*37*US
5.6	41.5	34	20.5	37.5	1.0	MKP–565*0305AB*37*US
6.8(M)	41.5	35.5	22.5	37.5	1.0	MKP–685*0305AB*37*US
6.8	42	40	20	37.5	1.0	MKP–685*0305AB*37*US
8.2	41.5	38	25	37.5	1.0	MKP–825*0305AB*37*US
10(M)	41.5	38	29	37.5	1.0	MKP–106*0305AB*37*US
10	41.5	41	27.5	37.5	1.0	MKP–106*0305AB*37*US

【干扰抑制电容器】X2电容器 (适用于AEC–Q200; 310VAC)
INTERFERENCE SUPPRESSION CAPACITOR / X2 CAPACITOR (FOR AEC–Q200; 310VAC)

MKP–X2



结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡铜包钢线
  Leads: Tinned copper clad–steel wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 良好的自愈性
  Self–healing properties
- 符合UL、CSA、ENEC、CQC安规电容
  In accordance with UL, CSA, ENEC, CQC safety regulations
- X2类
  Class X2
- AEC–Q200许可
  AEC–Q200 qualified

推荐应用 Recommended Application:

- 汽车用
  For automotive
- 干扰抑制器
  Interference suppressors
- 跨线
  Across the line
- 旁路
  Line–by–pass
- 电磁干扰滤波器
  EMI filter

电气特性 Electrical Characteristics:

引用标准 Related Documents	UL 60384–14:2014, CAN/CSA–E60384–14:2014, IEC60384–14:2013, EN60384–14:2013, GB/T 6346.14–2015	
额定电压 Rated Voltage	305VAC	
额定温度 Rated Temperature	–40°C ~ +110°C	
容量范围 Capacitance Range	0.1μF ~ 2.2μF	
容量误差 Capacitance Tolerance	±10% (K), ±20% (M)	
损耗角正切 Dissipation Factor	0.1% or less. at 1Khz, 20±5°C	
绝缘电阻 Insulation Resistance	Terminal to Terminal: ≥15000MΩ at DC 100V (C≦0.33μF) ≥5000MΩ×μF at DC 100V (C>0.33μF)	Terminal to Enclosure: ≥30000MΩ at DC 100V ≥500MΩ at DC 500V
耐压 Withstand Voltage	[Between terminal] : Nothing abnormal shall be found, when a voltage specified below is applied 1800VDC for 3 sec. [Between terminal and enclosure] : Nothing abnormal shall be found when apply a voltage of 2110VAC for 1 minute.	

额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	15 mm	22.5 mm	27.5 mm
	630VDC	300	180	120
气候类别 Climate Category	代碼字母G和數位元40 = 最低极限温度.... –40°C 代碼字母M和數位元110 = 最高极限温度.... +110°C 代碼字母F和數位元56 = 相对湿度的最大限值 [湿热试验天数.... 56天] 代碼字母B = 阻燃性類別 code letter G and number 40 = Minimum limit temperature.... –40°C code letter M and number 110 = Maximum limit temperature.... +110°C code letter F and number 56 = Maximum limit of Relative Humidity [The days of damp heat test....56 days] code letter B = Category of Passive flammability.			

安全认证 Safety Approvals:

LOGO MARK	COUNTRY	APPROVAL STANDARD	APPROVAL NO.	CLASS	CAP. RANGE	RATED VOLTAGE
UL	U.S.A	UL 60384–14:2014 CAN/CSA E60384–1/14:2014	20170803–E149075	X2	0.0047μF ~ 10.0μF	310VAC
CSA	CANADA	CAN/CSA E60384–1/14:09	2294211	X2	0.0047μF ~ 10.0μF	310VAC
CB	EUROPE	IEC60384–14:2013	SE–93931	X2	0.0047μF ~ 10.0μF	310VAC
ENEC	EUROPE	EN60384–14:2013	SE/0252–5E	X2	0.0047μF ~ 10.0μF	310VAC
CQC	CHINA	GB/T 6346.14–2015	CQC09001029854	X2	0.0047μF ~ 10.0μF	310VAC

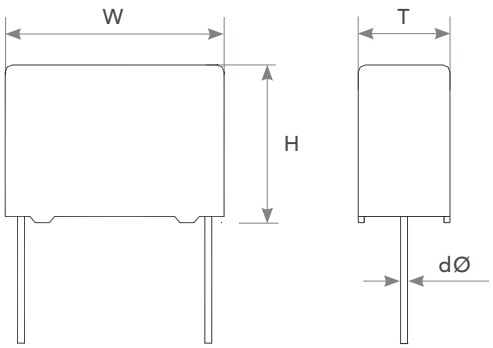
Cap. (μF) | **标准单位 (Size unit): mm**

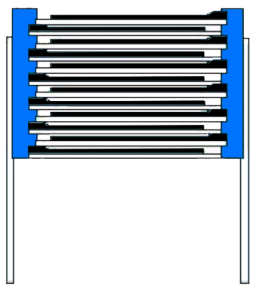
R.V.	305VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.1	18	12	6	15	0.8	MKP–104*0305A**15*–X
0.12	18	12	6	15	0.8	MKP–124*0305A**15*–X
0.15	18	13.5	7.5	15	0.8	MKP–154*0305A**15*–X
0.18	18	13.5	7.5	15	0.8	MKP–184*0305A**15*–X
0.22	18	14	8	15	0.8	MKP–224*0305A**15*–X
0.27	18	15	9	15	0.8	MKP–274*0305A**15*–X
0.33	18	16	10	15	0.8	MKP–334*0305A**15*–X
0.39	18	19	10	15	0.8	MKP–394*0305A**15*–X
0.47	18	19	11	15	0.8	MKP–474*0305A**15*–X
0.56	18	21	12	15	0.8	MKP–564*0305A**15*–X
0.15	26	14.5	6	22.5	0.8	MKP–154*0305A**22*–X
0.18	26	14.5	6	22.5	0.8	MKP–184*0305A**22*–X
0.22	26	14.5	6	22.5	0.8	MKP–224*0305A**22*–X
0.27	26	16.5	7	22.5	0.8	MKP–274*0305A**22*–X

R.V.	305VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.33	26	17	8.5	22.5	0.8	MKP–334*0305A**22*–X
0.39	26	18.5	8.5	22.5	0.8	MKP–394*0305A**22*–X
0.47	26	19	10	22.5	0.8	MKP–474*0305A**22*–X
0.56	26	19	10	22.5	0.8	MKP–564*0305A**22*–X
0.68	26	18.5	10	22.5	0.8	MKP–684*0305A**22*–X
0.82	26	20	11	22.5	0.8	MKP–824*0305A**22*–X
1.0	26	22	12	22.5	0.8	MKP–105*0305A**22*–X
0.47	31	18	9	27.5	0.8	MKP–474*0305A**27*–X
0.56	31	20	10	27.5	0.8	MKP–564*0305A**27*–X
0.68	31	20	10	27.5	0.8	MKP–684*0305A**27*–X
0.82	31	20	11	27.5	0.8	MKP–824*0305A**27*–X
1.0	31	20	11	27.5	0.8	MKP–105*0305A**27*–X
1.5	31	23.5	14	27.5	0.8	MKP–155*0305A**27*–X
2.2	31	26	18	27.5	0.8	MKP–225*0305A**27*–X

【干扰抑制电容器】X2电容器 (阻容降压; 310VAC)
INTERFERENCE SUPPRESSION CAPACITOR / X2 CAPACITOR (FOR CAPACITIVE DIVIDER; 310VAC)

MKP–X2





金属化聚丙烯薄膜
Metallized Polypropylene Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡铜包钢线
  Leads: Tinned copper clad–steel wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 良好的自愈性
  Self–healing properties
- 符合UL、CSA、ENEC、CQC安规电容
  In accordance with UL, CSA, ENEC, CQC safety regulations
- X2类
  Class X2
- 电容分压器
  Capacitive divider

推荐应用 Recommended Application:

- 与100Vac~240Vac主电源(电源)串联
  Serial with the 100Vac~240Vac main (Power supply)
- 干扰抑制器
  Interference suppressors
- 跨线
  Across the line
- EMI滤波器(工业电源)
  EMI filter (Industrial power supply)

电气特性 Electrical Characteristics:

引用标准 Related Documents	UL 60384–14:2014, CAN/CSA–E60384–14:2014, IEC60384–14:2013, EN60384–14:2013, GB/T 6346.14–2015	
额定电压 Rated Voltage	250~310VAC	
额定温度 Rated Temperature	–40°C ~ +110°C	
容量范围 Capacitance Range	0.01μF ~ 10μF	
容量误差 Capacitance Tolerance	±10% (K), ±20% (M)	
损耗角正切 Dissipation Factor	0.1% or less. at 1Khz, 20±5°C	
绝缘电阻 Insulation Resistance	Terminal to Terminal: ≥15000MΩ at DC 100V (C≦0.33μF) ≥5000MΩ×μF at DC 100V (C>0.33μF)	Terminal to Enclosure: ≥30000MΩ at DC 100V ≥500MΩ at DC 500V
耐压 Withstand Voltage	[Between terminal] : Nothing abnormal shall be found, when a voltage specified below is applied 2000VDC for 3 sec. [Between terminal and enclosure] : Nothing abnormal shall be found when apply a voltage of 2110VAC for 1 minute.	

额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	15 mm	22.5 mm	27.5 mm
	630VDC	300	180	120
气候类别 Climate Category	代碼字母G和數位元40 = 最低极限温度.... –40°C 代碼字母M和數位元110 = 最高极限温度.... +110°C 代碼字母F和數位元56 = 相对湿度的最大限值 [湿热试验天数.... 56天] 代碼字母B = 阻燃性類別 code letter G and number 40 = Minimum limit temperature.... –40°C code letter M and number 110 = Maximum limit temperature.... +110°C code letter F and number 56 = Maximum limit of Relative Humidity [The days of damp heat test....56 days] code letter B = Category of Passive flammability.			

安全认证 Safety Approvals:

LOGO MARK	COUNTRY	APPROVAL STANDARD	APPROVAL NO.	CLASS	CAP. RANGE	RATED VOLTAGE
UL	U.S.A CANADA	UL 60384–14:2010	E149075	X2	0.0047μF ~ 10.0μF	250 ~ 310VAC
CB	EUROPE	IEC 60384–14:2013	SE–93931	X2	0.0047μF ~ 10.0μF	250 ~ 310VAC
ENEC	EUROPE	EN 60384–14:2013	SE/0252–5E	X2	0.0047μF ~ 10.0μF	250 ~ 310VAC
CQC	CHINA	GB/T 6346.14–2015	CQC09001029854	X2	0.0047μF ~ 10.0μF	250 ~ 310VAC

Cap. (μF) | **标准单位 (Size unit): mm**

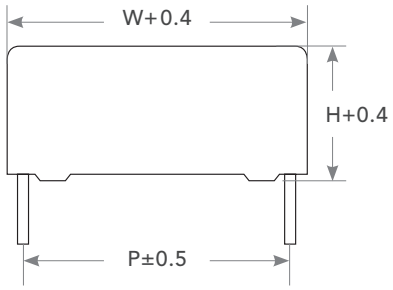
R.V.	305VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.01	13	9	4	10	0.6	MKP–103*0305A**10*–Z
0.047	13	12	6	10	0.6	MKP–473*0305A**10*–Z
0.047	18	12	6	15	0.8	MKP–473*0305A**15*–Z
0.068	18	12	6	15	0.8	MKP–683*0305A**15*–Z
0.1	18	12	6	15	0.8	MKP–104*0305A**15*–Z
0.15	18	13	7	15	0.8	MKP–154*0305A**15*–Z
0.22	18	13.5	7.5	15	0.8	MKP–224*0305A**15*–Z
0.33	18	16	9	15	0.8	MKP–334*0305A**15*–Z
0.47	18	18	10	15	0.8	MKP–474*0305A**15*–Z
0.56	18	19	11	15	0.8	MKP–564*0305A**22*–Z
0.68(M)	18	19	11	15	0.8	MKP–684*0305A**15*–Z
0.22	26	14.5	6	22.5	0.8	MKP–224*0305A**22*–Z
0.33	26	14.5	7	22.5	0.8	MKP–334*0305A**22*–Z
0.47	26	16.5	7.5	22.5	0.8	MKP–474*0305A**22*–Z
0.56	26	18.5	8.5	22.5	0.8	MKP–564*0305A**22*–Z
0.68	26	18.5	8.5	22.5	0.8	MKP–684*0305A**22*–Z
0.82	26	19	10	22.5	0.8	MKP–824*0305A**22*–Z
1	26	20	11.5	22.5	0.8	MKP–105*0305A**22*–Z

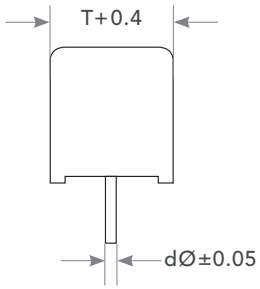
R.V.	305VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
1.5	26	24	14	22.5	0.8	MKP–155*0305A**22*–Z
2.2(M)	26	25	15	22.5	0.8	MKP–225*0305A**22*–Z
0.68	31	18	9	27.5	0.8	MKP–684*0305A**27*–Z
0.82	31	18	9	27.5	0.8	MKP–824*0305A**27*–Z
1	31	20	10	27.5	0.8	MKP–105*0305A**27*–Z
1.5	31	20.5	12	27.5	0.8	MKP–155*0305A**27*–Z
2.2	31	24.5	15	27.5	0.8	MKP–225*0305A**27*–Z
3.3	31	33	18	27.5	0.8	MKP–335*0305A**27*–Z
4.7	31	37	22	27.5	0.8	MKP–475*0305A**27*–Z
3.3	41.5	27.5	16	37.5	1.0	MKP–335*0305A**37*–Z
4.7	41.5	31.5	18.5	37.5	1.0	MKP–475*0305A**37*–Z
5.6(M)	41.5	35	19	37.5	1.0	MKP–565*0305A**37*–Z
5.6	41.5	34	20.5	37.5	1.0	MKP–565*0305A**37*–Z
6.8	41.5	35.5	22.5	37.5	1.0	MKP–685*0305A**37*–Z
6.8	42	40	20	37.5	1.0	MKP–685*0305A**37*–Z
8.2	41.5	38	25	37.5	1.0	MKP–825*0305A**37*–Z
10(M)	41.5	38	28	37.5	1.0	MKP–106*0305A**37*–Z
10	41.5	41	27.5	37.5	1.0	MKP–106*0305A**37*–Z

【干扰抑制电容器】X1电容器 (480VAC)
INTERFERENCE SUPPRESSION CAPACITOR / X1 CAPACITOR (480VAC)

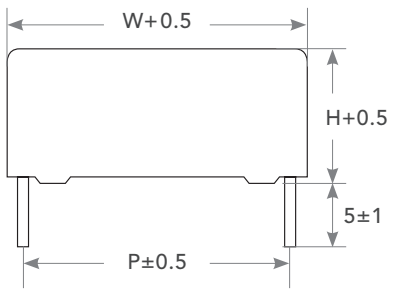
MKX1

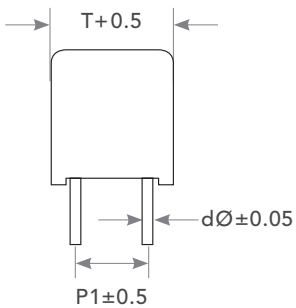
2–PINS Version

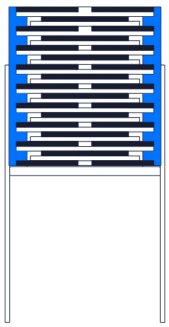




4–PINS Version







金属化聚丙烯薄膜
Metallized Polypropylene Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡铜包钢线
  Leads: Tinned copper clad–steel wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 良好的自愈性
  Self–healing properties
- X1类
  Class X1

推荐应用 Recommended Application:

- 干扰抑制器
  Interference suppressors
- 跨线（工业电源）
  Across the line (Industrial power supply)
- 旁路
  Line–by–pass
- EMI滤波器
  EMI filter

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 60384–14 , UL 60384–14 , EN60384–14 , CQC
额定电压 (AC) Rated Voltage (AC)	480VAC (50/60Hz)
额定电压 (DC) Rated Voltage (DC)	1000VDC
额定温度 Rated Temperature	–40°C ~ +110°C
容量范围 Capacitance Range	0.001μF ~ 10μF

容量误差 Capacitance Tolerance	±10% (K), ±20% (M)	
损耗角正切 Dissipation Factor	0.001μF≦C≦1.0μF, ≦0.15% at 1Khz, 20± 5°C 1.0μF＜C, ≦0.2% at 1Khz, 20± 5°C	
绝缘电阻 Insulation Resistance	Terminal to Terminal: ≧15000MΩ at DC 100V (C≦0.33μF) ≧5000MΩ×μF at DC 100V (C＞0.33μF)	Terminal to Enclosure: ≧30000MΩ at DC 100V ≧500MΩ at DC 500V
耐压 Withstand Voltage	[Between terminal] : Test Voltage : 3400VDC Test Time : 2S [Between terminal and enclosure] : Nothing abnormal shall be found when apply a voltage of 2460VAC for 1 minute.	
气候类别 Climate Category	代碼字母G和數位元40 = 最低极限温度.... −40°C 代碼字母M和數位元110 = 最高极限温度.... +110°C 代碼字母F和數位元56 = 相对湿度的最大限值 [湿热试验天数.... 56天] 代碼字母B = 阻燃性類別 code letter G and number 40 = Minimum limit temperature.... −40°C code letter M and number 110 = Maximum limit temperature.... +110°C code letter F and number 56 = Maximum limit of Relative Humidity [The days of damp heat test....56 days] code letter B = Category of Passive flammability.	

安全认证 Safety Approvals:

LOGO MARK	COUNTRY	APPROVAL STANDARD	APPROVAL NO.	CLASS	CAP. RANGE	RATED VOLTAGE
UL	U.S.A CANADA	UL 60384−14:2010	E149075	X1	0.001μF～10.0μF	480VAC
ENEC	EUROPE	EN 60384−14:2013	ENEC−01751−M1	X1	0.001μF～10.0μF	480VAC
CQC	CHINA	GB/T 6346.14−2015	CQC17001178748	X1	0.001μF～10.0μF	480VAC

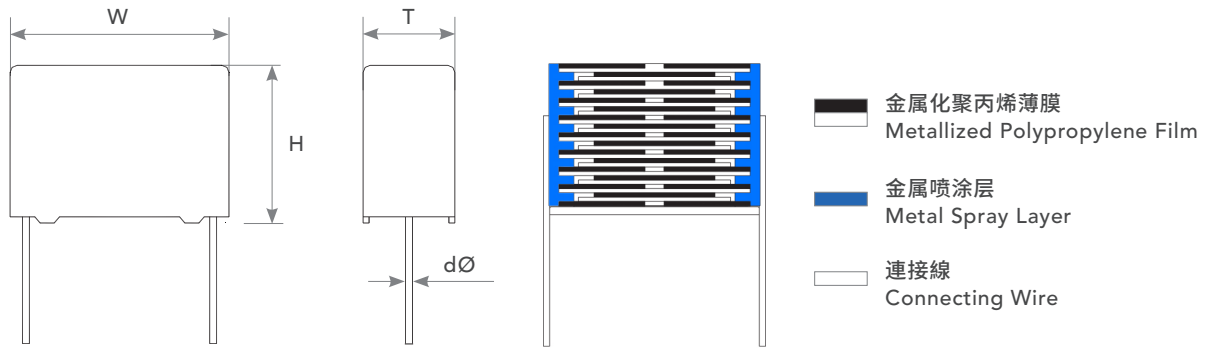
Cap. (μF) | 标准单位 (Size unit): mm

R.V.	480VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.001	13.0	9.0	4.0	10.0	0.6	MKX1102K0480AB*10*
0.0015	13.0	9.0	4.0	10.0	0.6	MKX1152K0480AB*10*
0.0022	13.0	9.0	4.0	10.0	0.6	MKX1222K0480AB*10*
0.0033	13.0	9.0	4.0	10.0	0.6	MKX1332K0480AB*10*
0.0047	13.0	9.0	4.0	10.0	0.6	MKX1472K0480AB*10*
0.0056	13.0	10.0	5.0	10.0	0.6	MKX1562K0480AB*10*
0.0068	13.0	10.0	5.0	10.0	0.6	MKX1682K0480AB*10*
0.0082	13.0	10.0	5.0	10.0	0.6	MKX1822K0480AB*10*
0.01	13.0	11.0	5.0	10.0	0.6	MKX1103K0480AB*10*
0.012	13.0	11.0	5.0	10.0	0.6	MKX1123K0480AB*10*
0.015	13.0	12.0	6.0	10.0	0.6	MKX1153K0480AB*10*
0.022	13.0	13.0	7.0	10.0	0.6	MKX1223K0480AB*10*
0.033	13.0	15.5	8.0	10.0	0.6	MKX1333K0480AB*10*
0.01	18.0	11.0	5.0	15.0	0.8	MKX1103K0480AB*15*
0.015	18.0	11.0	5.0	15.0	0.8	MKX1153K0480AB*15*
0.33	31.0	20.0	11.0	27.5	0.8	MKX1334K0480AB*27*
0.47	31.0	22.0	13.0	27.5	0.8	MKX1474K0480AB*27*
0.56	31.0	24.5	15.0	27.5	0.8	MKX1564K0480AB*27*
0.56(M)	31.0	23.5	14.0	27.5	0.8	MKX1564M0480AB*27*
0.68	31.0	25.5	16.0	27.5	0.8	MKX1684K0480AB*27*
0.68(M)	31.0	24.5	15.0	27.5	0.8	MKX1684M0480AB*27*
0.82	31.0	26.0	18.0	27.5	0.8	MKX1824K0480AB*27*
1.0	31.0	33.0	18.0	27.5	0.8	MKX1105K0480AB*27*
1.0(M)	31.0	28.0	18.0	27.5	0.8	MKX1105M0480AB*27*
1.5	31	37.0	22.0	27.5	0.8	MKX1155K0480AB*27*
1.5(M)	31	35.0	20.0	27.5	0.8	MKX1155M0480AB*27*
1.5	41.5	31.5	18.5	37.5	1.0	MKX1155K0480AB*37*
1.5(M)	41.5	30.0	17.0	37.5	1.0	MKX1155M0480AB*37*

R.V.	480VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.022	18.0	11.0	5.0	15.0	0.8	MKX1223K0480AB*15*
0.033	18.0	12.0	6.0	15.0	0.8	MKX1333K0480AB*15*
0.047	18.0	13.0	7.0	15.0	0.8	MKX1473K0480AB*15*
0.056	18.0	13.0	7.0	15.0	0.8	MKX1563K0480AB*15*
0.068	18.0	14.0	8.0	15.0	0.8	MKX1683K0480AB*15*
0.082	18.0	14.5	8.5	15.0	0.8	MKX1823K0480AB*15*
0.1	18.0	17.5	8.5	15.0	0.8	MKX1104K0480AB*15*
0.12	18.0	18.0	9.0	15.0	0.8	MKX1124K0480AB*15*
0.15	18.0	19.0	11.0	15.0	0.8	MKX1154K0480AB*15*
0.1	26.0	15.0	6.0	22.5	0.8	MKX1104K0480AB*22*
0.15	26.0	18.5	7.0	22.5	0.8	MKX1154K0480AB*22*
0.22	26.0	18.5	10.0	22.5	0.8	MKX1224K0480AB*22*
0.33	26.0	20.0	11.0	22.5	0.8	MKX1334K0480AB*22*
0.47	26.0	24.0	14.0	22.5	0.8	MKX1474K0480AB*22*
0.56	26.0	25.0	15.0	22.5	0.8	MKX1564K0480AB*22*
2.2	41.5	35.5	22.5	37.5	1.0	MKX1225K0480AB*37*
2.2	41.5	38	21	37.5	1.0	MKX1225M0480AB*37*
2.2(M)	41.5	34.0	20.5	37.5	1.0	MKX1225M0480AB*37*
3.3	41.5	41.0	27.5	37.5	1.0	MKX1335K0480AB*37*
3.3(M)	41.5	38.0	28.0	37.5	1.0	MKX1335M0480AB*37*
3.9	41.5	45	30	37.5	1.0	MKX1395K0480AB*37*
4.7	41.5	45.0	32.0	37.5	1.0	MKX1475K0480AB*37*
4.7(M)	41.5	45.0	30.0	37.5	1.0	MKX1475M0480AB*37*
4.7	58.0	45.0	30.0	52.5	1.2	MKX1475K0480AB*52*–FF
5.6	58.0	45.0	30.0	52.5	1.2	MKX1565K0480AB*52*–FF
6.8	58.0	50.0	35.0	52.5	1.2	MKX1685K0480AB*52*–FF
8.2(M)	58.0	50.0	35.0	52.5	1.2	MKX1825M0480AB*52*–FF
10.0(M)	58.0	53.0	38.0	52.5	1.2	MKX1106M0480AB*52*–FF

【干扰抑制电容器】Y2电容器 (Y2X1–300VAC)
INTERFERENCE SUPPRESSION CAPACITOR / Y2 CAPACITOR (Y2X1–300VAC)

Y2X1



结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡铜包钢线
  Leads: Tinned copper clad–steel wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 良好的自愈性
  Self–healing properties
- 符合CB、ENEC、UL、CUL、CQC安规电容
  In accordance with CB, ENEC, UL, CUL, CQC safety regulations
- Y2类 、X1类
  Class Y2, Class X1

推荐应用 Recommended Application:

- 干扰抑制器
  Interference suppressors
- 天线耦合
  Antenna coupling
- 跨线
  Across the line
- 电线入地
  Line to ground
- EMI滤波器
  EMI filter

电气特性 Electrical Characteristics:

引用标准 Related Documents	UL60384–14, EN–60384–14, IEC–60384–14	
额定电压 Rated Voltage	300VAC(ENEC, CQC), 310VAC(UL/CUL)	
额定温度 Rated Temperature	–40°C ~ +110°C	
容量范围 Capacitance Range	0.001μF ~ 0.22μF	
损耗角正切 Dissipation Factor	0.2% or less. at 1Khz, 20±5°C	
绝缘电阻 Insulation Resistance	Terminal to Terminal: ≥ 15000MΩ at DC 100V (C≦0.33μF) ≥ 5000MΩ×μF at DC 100V (C>0.33μF)	Terminal to Enclosure: ≥ 100000MΩ at DC 100V ≥ 500MΩ at DC 500V
耐压 Withstand Voltage	[Between terminal] : Nothing abnormal shall be found when apply a voltage specified below for 1minute. AC 1500V or DC 2250V or DC 3000V for 3sec [Between terminal and enclosure] : Nothing abnormal shall be found when apply a voltage of 2050VAC for 1 minute.	

额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	10 mm	15 mm	22.5 mm
	1000VDC	800	600	500
气候类别 Climate Category	代碼字母G和數位元40 = 最低极限温度.... –40°C 代碼字母M和數位元110 = 最高极限温度.... +110°C 代碼字母F和數位元56 = 相对湿度的最大限值 [湿热试验天数.... 56天] 代碼字母B = 阻燃性類別 code letter G and number 40 = Minimum limit temperature.... –40°C code letter M and number 110 = Maximum limit temperature.... +110°C code letter F and number 56 = Maximum limit of Relative Humidity [The days of damp heat test....56 days] code letter B = Category of Passive flammability.			

安全认证 Safety Approvals:

LOGO MARK	COUNTRY	APPROVAL STANDARD	APPROVAL NO.	CLASS	CAP. RANGE	RATED VOLTAGE
UL	U.S.A CANADA	UL 60384–14	E149075	Y2/X1	0.001μF ~ 0.22μF	310VAC
ENEC	EUROPE	EN–60384–14:	SE/0252–3C	Y2/X1	0.001μF ~ 0.22μF	300VAC
CB	EUROPE	IEC–60384–14:	US–27453–A1–UL	Y2/X1	0.001μF ~ 0.22μF	300VAC
CQC	CHINA	GB/T 6346.14	CQC08001028115	Y2	0.001μF ~ 0.22μF	300VAC

Cap. (μF) | **标准单位 (Size unit): mm**

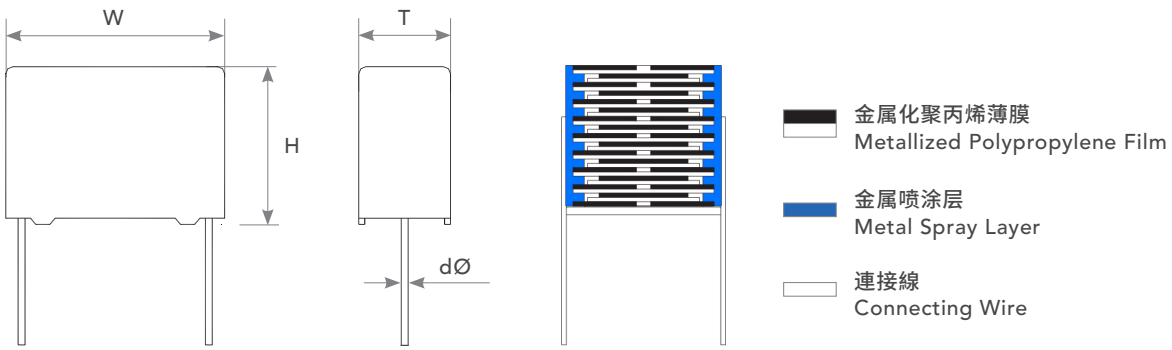
R.V.	300VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.001	13	9	4	10	0.6	Y2X1102*0300AB*10*
0.0015	13	9	4	10	0.6	Y2X1152*0300AB*10*
0.0022	13	10	5	10	0.6	Y2X1222*0300AB*10*
0.0033	13	10	5	10	0.6	Y2X1332*0300AB*10*
0.0047	13	11	5	10	0.6	Y2X1472*0300AB*10*
0.0068	13	12	6	10	0.6	Y2X1682*0300AB*10*
0.0082	13	13	7	10	0.6	Y2X1822*0300AB*10*
0.01	13	14	8	10	0.6	Y2X1103*0300AB*10*
0.0022	18	11	5	15	0.8	Y2X1222*0300AB*15*
0.0033	18	11	5	15	0.8	Y2X1332*0300AB*15*
0.0047	18	11	5	15	0.8	Y2X1472*0300AB*15*
0.0056	18	11	5	15	0.8	Y2X1562*0300AB*15*
0.0068	18	11	5	15	0.8	Y2X1682*0300AB*15*

R.V.	300VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.0082	18	11	5	15	0.8	Y2X1822*0300AB*15*
0.01	18	11	5	15	0.8	Y2X1103*0300AB*15*
0.015	18	12	6	15	0.8	Y2X1153*0300AB*15*
0.022	18	13	7	15	0.8	Y2X1223*0300AB*15*
0.033	18	15	9	15	0.8	Y2X1333*0300AB*15*
0.047	18	17	10	15	0.8	Y2X1473*0300AB*15*
0.047	26	16	6	22.5	0.8	Y2X1473*0300AB*22*
0.068	26	16.5	7.5	22.5	0.8	Y2X1683*0300AB*22*
0.1	26	18	9	22.5	0.8	Y2X1104*0300AB*22*
0.15(M)	26	20	11	22.5	0.8	Y2X1154M0300AB*22*
0.15	26	22	12	22.5	0.8	Y2X1154*0300AB*22*
0.22	26	24	14	22.5	0.8	Y2X1224*0300AB*22*

【干扰抑制电容器】Y2电容器 (THB–1000H; Y2X1–300VAC)
INTERFERENCE SUPPRESSION CAPACITOR / Y2 CAPACITOR (THB–1000H; Y2X1–300VAC)

Y2X1 THB

THB–版–防潮 (THB–Version–Temperature Humidity Bias)



结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 无感式
  Winding: non–inductive type
- 导线: 镀锡线
  Leads: Tinned Wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 在高环境温度和高湿度等恶劣环境条件下具有优异的长期稳定性
  Excellent long term–stability under tough environmental conditions – such as high ambient temperatures and high humidity
- 良好的自愈性
  Self–healing properties
- 符合UL、CUL、ENEC、CQC安规电容
  In accordance with UL, CUL, ENEC, CQC safety regulations
- Y2类 、X1类
  Class Y2, Class X1

推荐应用 Recommended Application:

对长期稳定性要求很高的所有应用，如:
All applications with high demand on excellent long term–stability, such as:

- 户外应用
  Outdoor applications
- 恶劣环境条件下
  For severe ambient conditions
- 工业电源
  Industrial power supply
- 跨线
  Across the line
- EMI滤波器
  EMI filter

电气特性 Electrical Characteristics:

引用标准 Related Documents	UL60384–14，EN–60384–14，IEC–60384–14
额定电压 Rated Voltage	300VAC(ENEC, CQC)，310VAC (UL/CUL)
额定温度 Rated Temperature	–40°C ~ +110°C
容量范围 Capacitance Range	0.001μF ~ 0.22μF
损耗角正切 Dissipation Factor	0.2% or less. at 1Khz，20±5°C

绝缘电阻 Insulation Resistance	Terminal to Terminal: ≥15000MΩ at DC 100V (C≦0.33μF) ≥5000MΩ×μF at DC 100V (C>0.33μF)		Terminal to Enclosure: ≥100000MΩ at DC 100V ≥500MΩ at DC 500V	
耐压 Withstand Voltage	[Between terminal] : Nothing abnormal shall be found when apply a voltage specified below for 1minute. AC 1500V or DC 2250V or DC 3000V for 3sec [Between terminal and enclosure] : Nothing abnormal shall be found when apply a voltage of 2050VAC for 1 minute.			
额定电压 脉冲斜率 dV/dt (V/μs) Rated Voltage Pulse Slope dV/dt (V/μs)	Pitch / V_R	10 mm	15 mm	22.5 mm
	1000VDC	800	600	500
气候类别 Climate Category	代碼字母G和數位元40 = 最低极限温度.... –40°C 代碼字母M和數位元110 = 最高极限温度.... +110°C 代碼字母F和數位元56 = 相对湿度的最大限值 [湿热试验天数.... 56天] 代碼字母B = 阻燃性類別 code letter G and number 40 = Minimum limit temperature.... –40°C code letter M and number 110 = Maximum limit temperature.... +110°C code letter F and number 56 = Maximum limit of Relative Humidity [The days of damp heat test....56 days] code letter B = Category of Passive flammability.			

信赖性测试 Reliability Test:

测试方法 Test Method	要求 Requirements
温度 Temperature: 85°C 相对湿度 Relative humidity: 85% 施加电压 Voltage applied: 300VAC 周期 Duration: 1000 hours	容量变化 Capacitance change |△C/C| : ≦ 10% △tanδ≦ 2.4% at 10KHz 绝缘阻抗 Insulation Resistance: ≧ 50% of spec value

安全认证 Safety Approvals:

LOGO MARK	COUNTRY	APPROVAL STANDARD	APPROVAL NO.	CLASS	CAP. RANGE	RATED VOLTAGE
UL	U.S.A CANADA	UL 60384–14	E149075	Y2/X1	0.001μF~0.22μF	310VAC
ENEC	EUROPE	EN–60384–14	SE/0252–3C	Y2/X1	0.001μF~0.22μF	300VAC
CB	EUROPE	IEC–60384–14	US–27453–A1–UL	Y2/X1	0.001μF~0.22μF	300VAC
CQC	CHINA	GB/T 6346.14	CQC08001028115	Y2	0.001μF~0.22μF	300VAC

Cap. (μF) | **标准单位 (Size unit): mm**

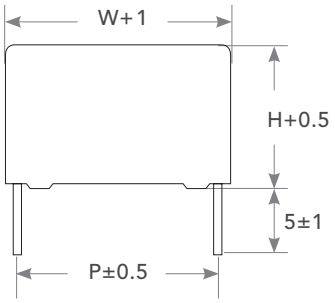
R.V.	300VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.001	13	10	5	10	0.6	Y2X1102*0300AB*10*U
0.0015	13	11	5.5	10	0.6	Y2X1152*0300AB*10*U
0.0022	13	12	6	10	0.6	Y2X1222*0300AB*10*U
0.0033	13	13	7	10	0.6	Y2X1332*0300AB*10*U
0.0039	13	14	8	10	0.6	Y2X1392*0300AB*10*U
0.0047	13	14	8	10	0.6	Y2X1472*0300AB*10*U
0.0047	18	12	6	15	0.8	Y2X1472*0300AB*15*U
0.0056	18	12	6	15	0.8	Y2X1562*0300AB*15*U
0.0068	18	13	7	15	0.8	Y2X1682*0300AB*15*U
0.0082	18	13	7	15	0.8	Y2X1822*0300AB*15*U
0.01	18	13.5	7.5	15	0.8	Y2X1103*0300AB*15*U
0.015	18	15	9	15	0.8	Y2X1153*0300AB*15*U

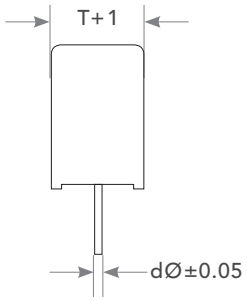
R.V.	300VAC					
Size / Cap (μF)	W ±0.3	H ±0.3	T ±0.3	P	dØ ±0.05	料号 Part Number
0.022	18	18	10	15	0.8	Y2X1223*0300AB*15*U
0.027	18	18	10	15	0.8	Y2X1273*0300AB*15*U
0.033	18	19	11	15	0.8	Y2X1333*0300AB*15*U
0.047	18	22	12.5	15	0.8	Y2X1473*0300AB*15*U
0.033	26	17	8	22.5	0.8	Y2X1333*0300AB*22*U
0.047	26	18	9	22.5	0.8	Y2X1473*0300AB*22*U
0.056	26	19	10	22.5	0.8	Y2X1563*0300AB*22*U
0.068	26	21	10	22.5	0.8	Y2X1683*0300AB*22*U
0.082	26	22	12	22.5	0.8	Y2X1823*0300AB*22*U
0.1	26	22.5	13	22.5	0.8	Y2X1104*0300AB*22*U
0.15	26	26	16	22.5	0.8	Y2X1154*0300AB*22*U
0.22	26	25	15	22.5	0.8	Y2X1224*0300AB*22*U

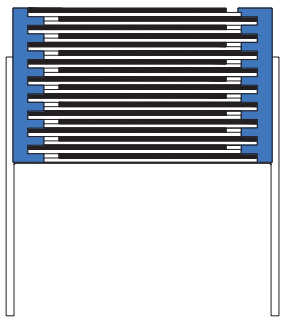
金属化聚丙烯薄膜电容(EPB)直流支撑
METALLIZED POLYPROPYLENE FILM CAPACITOR–RADIAL(EPB) DC–LINK

EPB

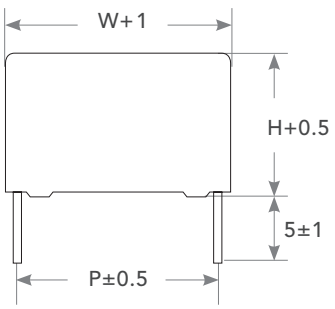
2–PINS Version

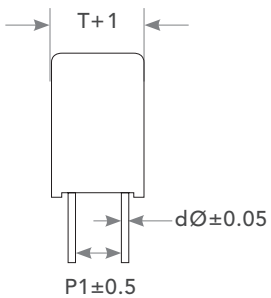






4–PINS Version





金属化聚丙烯薄膜
Metallized Polypropylene Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 低感式
  Winding: Low inductive type
- 导线: 镀锡线
  Leads: Tinned Wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 高电容密度
  High Capacitance Density
- 高纹波电流
  High Ripple Current
- 良好的自愈性
  Self–healing properties

推荐应用 Recommended Application:

- 高性能直流滤波应用
  High performance DC filtering applications
- 变频器
  Frequency converters
- 太阳能逆变器
  Solar inverters

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 61071/60068				
额定电压 Rated Voltage	V_{NDC} 85°C	700V	800V	900V	1100V
	V_{OPDC} 70°C	800V	900V	1100V	1300V
	V_{OPDC} 105°C	500V	550V	650V	800V
额定温度 Rated Temperature	–40°C ~ +85°C				
最大运行温度(外壳) Maximum Operating Temperature(Case)	105°C				

容量范围 Capacitance Range	1.0μF ~ 60.0μF
容量误差 Capacitance Tolerance	±5% (J), ±10% (K)
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at 20°C ±5°C), Voltage charge time: 1 minute. Voltage: 100VDC ≥ 10000MΩ × μF
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C ±5°C) 1.5 × V_R applied for 10sec.
自感 (Ls) Self inductance (Ls)	< 1 nH per mm of lead spacing

V_{NDC} 85°C = 700VDC, V_{OPDC} 70°C = 800VDC															
Cap (μF)	V_{NDC}	Dimensions (mm) W	H	T	P mm	P1 mm	dØ mm	dv/dt V/μs	I_{PEAK} A	ESR 10Khz mΩ	Irms 10Khz A	tanδ 1Khz %	tanδ 10Khz %	SPQ	料号 Part Number
1.0	700	31	18	9	27.5	-	0.8	75	75	60	2.5	0.09	0.65	252	EPB–105*0700DB127B
3.0	700	31	20	11	27.5	-	0.8	75	225	25	4	0.09	0.65	207	EPB–305*0700DB127B
5.0	700	31	24.5	15	27.5	-	0.8	75	375	17	6	0.09	0.65	153	EPB–505*0700DB127B
7.0	700	31	28	18	27.5	-	0.8	75	525	12	8	0.09	0.65	126	EPB–705*0700DB127B
10.0	700	31	31	22	27.5	-	0.8	75	750	9	10	0.10	0.70	99	EPB–106*0700DB127B
12.0	700	31	37	22	27.5	-	0.8	75	900	7	11.5	0.10	0.70	99	EPB–126*0700DB127B
15.0	700	41.5	35	20	37.5	-	1.0	40	600	10	9	0.15	1.3	84	EPB–156*0700DB137B
15.0	700	41.5	35	20	37.5	10.2	1.2	40	600	9	10	0.13	1.2	84	EPB–156*0700DB137B–F
20.0	700	41.5	39	24	37.5	-	1.0	40	800	8	11	0.15	1.3	70	EPB–206*0700DB137B
20.0	700	41.5	39	24	37.5	10.2	1.2	40	800	7	12	0.13	1.2	70	EPB–206*0700DB137B–F
22.0	700	41.5	38	28	37.5	-	1.0	40	880	6	13	0.15	1.3	56	EPB–226*0700DB137B
22.0	700	41.5	38	28	37.5	10.2	1.2	40	880	6	13.5	0.13	1.2	56	EPB–226*0700DB137B–F
25.0	700	41.5	41	27.5	37.5	-	1.0	40	1000	6	13.5	0.15	1.3	56	EPB–256*0700DB137B
25.0	700	41.5	41	27.5	37.5	10.2	1.2	40	1000	5.5	14.5	0.13	1.2	56	EPB–256*0700DB137B–F
30.0	700	41.5	45	30	37.5	-	1.0	40	1200	5	16	0.15	1.3	56	EPB–306*0700DB137B
30.0	700	41.5	45	30	37.5	20.3	1.2	40	1200	4.5	17	0.13	1.2	56	EPB–306*0700DB137B–FF
45.0	700	58	45	30	52.5	20.3	1.2	20	900	6	15	0.25	2.4	40	EPB–456*0700DB152B–FF
50.0	700	58	50	35	52.5	20.3	1.2	20	1000	5.5	15.5	0.25	2.4	35	EPB–506*0700DB152B–FF
55.0	700	58	50	35	52.5	20.3	1.2	20	1100	5	18	0.25	2.4	35	EPB–556*0700DB152B–FF
60.0	700	58	50	35	52.5	20.3	1.2	20	1200	5	19	0.25	2.4	35	EPB–606*0700DB152B–FF

TYPE NO.
* = Capacitance tolerance code
J = ±5%, K = ±10%

V_{NDC} 85°C = 800VDC, V_{OPDC} 70°C = 900VDC															
Cap (μF)	V_{NDC}	Dimensions (mm)			P mm	P1 mm	dØ mm	dv/dt V/μs	I_{PEAK} A	ESR 10Khz mΩ	Irms 10Khz A	tanδ 1Khz %	tanδ 10Khz %	SPQ	料号 Part Number
		W	H	T											
1.0	800	31	18	9	27.5	-	0.8	80	80	65	2	0.08	0.6	252	EPB–105*0800DB127B
2.0	800	31	20	11	27.5	-	0.8	80	160	35	3.5	0.08	0.6	207	EPB–205*0800DB127B
3.0	800	31	22	13	27.5	-	0.8	80	240	25	4.5	0.08	0.6	171	EPB–305*0800DB127B
4.0	800	31	24.5	15	27.5	-	0.8	80	320	17	5.5	0.08	0.6	153	EPB–405*0800DB127B
5.0	800	31	28	18	27.5	-	0.8	80	400	14	7	0.08	0.6	126	EPB–505*0800DB127B
6.0	800	31	28	18	27.5	-	0.8	80	480	11	7.5	0.10	0.65	126	EPB–605*0800DB127B
7.0	800	31	33	18	27.5	-	0.8	80	560	10	9	0.10	0.65	117	EPB–705*0800DB127B
8.0	800	31	31	22	27.5	-	0.8	80	640	9	9.5	0.10	0.65	99	EPB–805*0800DB127B
9.0	800	31	37	22	27.5	-	0.8	80	720	8.5	10	0.10	0.65	99	EPB–905*0800DB127B
10.0	800	41.5	35	20	37.5	-	1.0	45	450	14	8	0.14	1.2	84	EPB–106*0800DB137B
10.0	800	41.5	35	20	37.5	10.2	1.2	45	450	13	8.5	0.12	1.1	84	EPB–106*0800DB137B–F
12.0	800	41.5	35.5	22.5	37.5	-	1.0	45	540	11	8.5	0.14	1.2	70	EPB–126*0800DB137B
12.0	800	41.5	35.5	22.5	37.5	10.2	1.2	45	540	10	9	0.12	1.1	70	EPB–126*0800DB137B–F
15.0	800	41.5	39	24	37.5	-	1.0	45	675	9	10	0.14	1.2	70	EPB–156*0800DB137B
15.0	800	41.5	39	24	37.5	10.2	1.2	45	675	8	11	0.12	1.1	70	EPB–156*0800DB137B–F
20.0	800	41.5	41	27.5	37.5	-	1.0	45	900	7	13	0.14	1.2	56	EPB–206*0800DB137B
20.0	800	41.5	41	27.5	37.5	10.2	1.2	45	900	6	13.5	0.12	1.1	56	EPB–206*0800DB137B–F
22.0	800	41.5	45	30	37.5	-	1.0	45	990	6	14.5	0.14	1.2	56	EPB–226*0800DB137B
22.0	800	41.5	45	30	37.5	20.3	1.2	45	990	5.5	15.5	0.12	1.1	56	EPB–226*0800DB137B–FF
25.0	800	41.5	45	32	37.5	-	1.0	45	1125	5.5	15.5	0.14	1.2	49	EPB–256*0800DB137B
25.0	800	41.5	45	32	37.5	20.3	1.2	45	1125	5	16	0.12	1.1	49	EPB–256*0800DB137B–FF
30.0	800	58	45	30	52.5	20.3	1.2	25	750	8	12	0.22	2.2	40	EPB–306*0800DB152B–FF
35.0	800	58	45	30	52.5	20.3	1.2	25	875	7	14.5	0.22	2.2	40	EPB–356*0800DB152B–FF
40.0	800	58	50	35	52.5	20.3	1.2	25	1000	6	15	0.22	2.2	35	EPB–406*0800DB152B–FF
45.0	800	58	50	35	52.5	20.3	1.2	25	1125	5.5	17	0.22	2.2	35	EPB–456*0800DB152B–FF
50.0	800	58	53	38	52.5	20.3	1.2	25	1250	5	18	0.22	2.2	30	EPB–506*0800DB152B–FF

TYPE NO.
* = Capacitance tolerance code
J = ±5%, K = ±10%

V_{NDC} 85°C = 900VDC, V_{OPDC} 70°C = 1100VDC															
Cap (μF)	V_{NDC}	Dimensions (mm) W	H	T	P mm	P1 mm	dØ mm	dv/dt V/μs	I_{PEAK} A	ESR 10Khz mΩ	Irms 10Khz A	tanδ 1Khz %	tanδ 10Khz %	SPQ	料号 Part Number
1.0	900	31	18	9	27.5	-	0.8	80	80	65	2	0.08	0.55	252	EPB–105*0900DB127B
2.0	900	31	22	13	27.5	-	0.8	80	160	30	3.5	0.08	0.55	171	EPB–205*0900DB127B
5.0	900	31	30.5	20	27.5	-	0.8	80	400	15	7.5	0.08	0.55	108	EPB–505*0900DB127B
7.0	900	31	37	22	27.5	-	0.8	80	560	9	9	0.10	0.60	99	EPB–705*0900DB127B
10.0	900	41.5	35.5	22.5	37.5	-	1	54	540	15	8.5	0.12	1.0	70	EPB–106*0900DB137B
10.0	900	41.5	35.5	22.5	37.5	10.2	1.2	54	540	12	9	0.11	0.95	70	EPB–106*0900DB137B–F
12.0	900	41.5	39	24	37.5	-	1	54	648	11	9.5	0.12	1.0	70	EPB–126*0900DB137B
12.0	900	41.5	39	24	37.5	10.2	1.2	54	648	10.5	10	0.11	0.95	70	EPB–126*0900DB137B–F
14.0	900	41.5	38	28	37.5	-	1	54	756	10	10	0.12	1.0	56	EPB–146*0900DB137B
14.0	900	41.5	38	28	37.5	10.2	1.2	54	756	9	11	0.11	0.95	56	EPB–146*0900DB137B–F
16.0	900	41.5	41	27.5	37.5	-	1	54	864	8	11	0.12	1.0	56	EPB–166*0900DB137B
16.0	900	41.5	41	27.5	37.5	10.2	1.2	54	864	7.5	12	0.11	0.95	56	EPB–166*0900DB137B–F
20.0	900	41.5	45	30	37.5	-	1	54	1080	6	14	0.12	1.0	56	EPB–206*0900DB137B
20.0	900	41.5	45	30	37.5	20.3	1.2	54	1080	5.5	15.5	0.11	0.95	56	EPB–206*0900DB137B–FF
25.0	900	58	45	30	52.5	20.3	1.2	35	875	9	11.5	0.20	1.9	40	EPB–256*0900DB152B–FF
30.0	900	58	45	30	52.5	20.3	1.2	35	1050	8	13	0.20	1.9	40	EPB–306*0900DB152B–FF
35.0	900	58	50	35	52.5	20.3	1.2	35	1225	7	15.5	0.20	1.9	35	EPB–356*0900DB152B–FF
40.0	900	58	50	35	52.5	20.3	1.2	35	1400	6	17	0.20	1.9	35	EPB–406*0900DB152B–FF

TYPE NO.
* = Capacitance tolerance code
J = ±5%, K = ±10%

V_{NDC} 85°C = 1100VDC, V_{OPDC} 70°C = 1300VDC															
Cap (μF)	V_{NDC}	Dimensions (mm) W	H	T	P mm	P1 mm	dØ mm	dv/dt V/μs	I_{PEAK} A	ESR 10Khz mΩ	Irms 10Khz A	tanδ 1Khz %	tanδ 10Khz %	SPQ	料号 Part Number
1.5	1100	31	22	13	27.5	-	0.8	100	150	25	4	0.08	0.45	171	EPB–155*1100DB127B
3.0	1100	31	28	18	27.5	-	0.8	100	300	18	6	0.08	0.45	126	EPB–305*1100DB127B
5.0	1100	31	37	22	27.5	-	0.8	100	500	10	9	0.08	0.45	99	EPB–505*1100DB127B
8.0	1100	41.5	39	24	37.5	-	1.0	73	584	12	9	0.11	0.9	70	EPB–805*1100DB137B
8.0	1100	41.5	39	24	37.5	10.2	1.2	73	584	11	9.5	0.10	0.8	70	EPB–805*1100DB137B–F
10.0	1100	41.5	38	28	37.5	-	1.0	73	730	11	10.5	0.11	0.9	56	EPB–106*1100DB137B
10.0	1100	41.5	38	28	37.5	10.2	1.2	73	730	10	11	0.10	0.8	56	EPB–106*1100DB137B–F
12.0	1100	41.5	45	30	37.5	-	1.0	73	876	9	12.5	0.11	0.9	56	EPB–126*1100DB137B
12.0	1100	41.5	45	30	37.5	20.3	1.2	73	876	8	13.5	0.10	0.8	56	EPB–126*1100DB137B–FF
14.0	1100	41.5	45	30	37.5	-	1.0	73	1022	8	13.5	0.11	0.9	56	EPB–146*1100DB137B
14.0	1100	41.5	45	30	37.5	20.3	1.2	73	1022	7	14.5	0.10	0.8	56	EPB–146*1100DB137B–FF
15.0	1100	42.5	45	33	37.5	20.3	1.2	73	1095	6.5	15	0.11	0.9	48	EPB–156*1100DB137B–FF
20.0	1100	58	45	30	52.5	20.3	1.2	50	1000	10	12.5	0.17	1.6	40	EPB–206*1100DB152B–FF
25.0	1100	58	50	35	52.5	20.3	1.2	50	1250	8	15	0.17	1.6	40	EPB–256*1100DB152B–FF
27.0	1100	58	50	35	52.5	20.3	1.2	50	1350	7	16	0.17	1.6	35	EPB–276*1100DB152B–FF
30.0	1100	58	53	38	52.5	20.3	1.2	50	1500	6	16.5	0.17	1.6	35	EPB–306*1100DB152B–FF

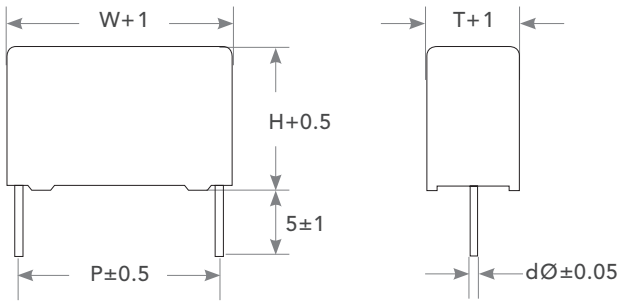
TYPE NO.
* = Capacitance tolerance code
J = ±5%, K = ±10%

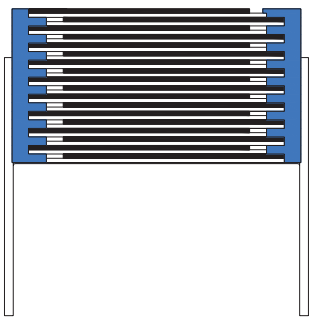
金属化聚丙烯薄膜电容(EPB)直流支撑; THB–1000H
METALLIZED POLYPROPYLENE FILM CAPACITOR–RADIAL (EPB) DC–LINK; THB–1000H

EPB

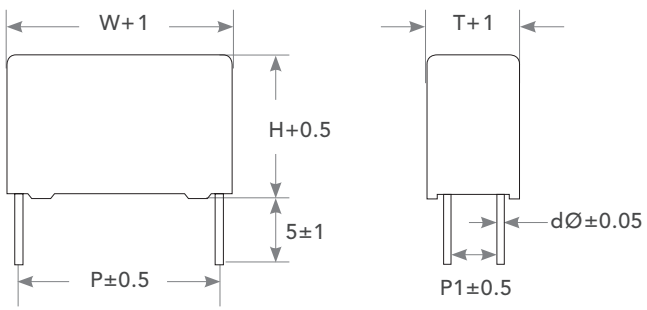
THB–版–防潮 (THB–Version–Temperature Humidity Bias)

2–PINS Version





4–PINS Version



金属化聚丙烯薄膜
Metallized Polypropylene Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 低感式
  Winding: Low inductive type
- 导线: 镀锡线
  Leads: Tinned Wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 高电容密度
  High Capacitance Density
- 高纹波电流
  High Ripple Current
- 良好的自愈性
  Self–healing properties
- 高性能直流滤波应用
  High performance DC filtering applications

推荐应用 Recommended Application:

- 变频器
  Frequency converters
- 太阳能逆变器
  Solar inverters
- 恶劣环境条件(室外)
  Severe ambient conditions (outdoor)

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 61071/60068				
额定电压 Rated Voltage	V_{NDC} 85°C	700V	800V	900V	1100V
	V_{OPDC} 70°C	800V	900V	1100V	1300V
	V_{OPDC} 105°C	500V	550V	650V	800V
额定温度 Rated Temperature	–40°C ~ +85°C				
最大运行温度(外壳) Maximum Operating Temperature (Case)	105°C				
容量范围 Capacitance Range	1.0μF ~ 60.0μF				
容量误差 Capacitance Tolerance	±10% (K), ±20% (M)				
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at 20°C ±5°C), Voltage charge time: 1 minute. Voltage: 100VDC ≥ 10000MΩ × μF				
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C ±5°C) 1.5 × V_R applied for 10sec.				
自感 (Ls) Self inductance (Ls)	mm < 1nH < 1nH per mm of lead spacing				

信赖性测试 Reliability Test:

测试方法 Test Method	要求 Requirements
温度 Temperature: 85°C 相对湿度 Relative humidity: 85% 施加电压 Voltage applied: V_R (DC) 周期 Duration: 1000 hours	容量变化 Capacitance change |△C/C| : ≦ 10% 变化 △tanδ DF change ≦ 3.5% at 1KHz 绝缘阻抗 Insulation Resistance: ≧ 50% of spec value

V_{NDC} 85°C = 700VDC, V_{OPDC} 70°C = 800VDC															
Cap (μF)	V_{NDC}	Dimensions (mm) W	H	T	P mm	P1 mm	dØ mm	dv/dt V/μs	I_{PEAK} A	ESR 10Khz mΩ	Irms 10Khz A	tanδ 1Khz %	tanδ 10Khz %	SPQ	料号 Part Number
1.0	700	31	18	9	27.5	-	0.8	75	75	65	2.5	0.09	0.65	252	EPB–105*0700DB127BU
3.0	700	31	20	11	27.5	-	0.8	75	225	28	4	0.09	0.65	207	EPB–305*0700DB127BU
5.0	700	31	24.5	15	27.5	-	0.8	75	375	19	6	0.09	0.65	153	EPB–505*0700DB127BU
7.0	700	31	28	18	27.5	-	0.8	75	525	13	8	0.09	0.65	126	EPB–705*0700DB127BU
10.0	700	31	31	22	27.5	-	0.8	75	750	10	10	0.10	0.70	99	EPB–106*0700DB127BU
12.0	700	31	37	22	27.5	-	0.8	75	900	8	11.5	0.10	0.70	99	EPB–126*0700DB127BU
15.0	700	41.5	35	20	37.5	-	1.0	40	600	11	9	0.15	1.3	84	EPB–156*0700DB137BU
15.0	700	41.5	35	20	37.5	10.2	1.2	40	600	10	10	0.13	1.2	84	EPB–156*0700DB137BU–F
20.0	700	41.5	39	24	37.5	-	1.0	40	800	9	11	0.15	1.3	70	EPB–206*0700DB137BU
20.0	700	41.5	39	24	37.5	10.2	1.2	40	800	8	12	0.13	1.2	70	EPB–206*0700DB137BU–F
22.0	700	41.5	38	28	37.5	-	1.0	40	880	6.5	13	0.15	1.3	56	EPB–226*0700DB137BU
22.0	700	41.5	38	28	37.5	10.2	1.2	40	880	6.5	13.5	0.13	1.2	56	EPB–226*0700DB137BU–F
25.0	700	41.5	41	27.5	37.5	-	1.0	40	1000	6.5	13.5	0.15	1.3	56	EPB–256*0700DB137BU
25.0	700	41.5	41	27.5	37.5	10.2	1.2	40	1000	6	14.5	0.13	1.2	56	EPB–256*0700DB137BU–F
30.0	700	41.5	45	30	37.5	-	1.0	40	1200	5.5	16	0.15	1.3	56	EPB–306*0700DB137BU
30.0	700	41.5	45	30	37.5	20.3	1.2	40	1200	5	17	0.13	1.2	56	EPB–306*0700DB137BU–FF
45.0	700	58	45	30	52.5	20.3	1.2	20	900	6.5	15	0.25	2.4	40	EPB–456*0700DB152BU–FF
50.0	700	58	50	35	52.5	20.3	1.2	20	1000	6	15.5	0.25	2.4	35	EPB–506*0700DB152BU–FF
55.0	700	58	50	35	52.5	20.3	1.2	20	1100	5.5	18	0.25	2.4	35	EPB–556*0700DB152BU–FF
60.0	700	58	50	35	52.5	20.3	1.2	20	1200	5.5	19	0.25	2.4	35	EPB–606*0700DB152BU–FF

TYPE NO.
* = Capacitance tolerance code
K= ±10%, M = ±20%

V_{NDC} 85°C = 800VDC, V_{OPDC} 70°C = 900VDC															
Cap (μF)	V_{NDC}	Dimensions (mm) W	H	T	P mm	P1 mm	dØ mm	dv/dt V/μs	I_{PEAK} A	ESR 10Khz mΩ	Irms 10Khz A	tanδ 1Khz %	tanδ 10Khz %	SPQ	料号 Part Number
1.0	800	31	18	9	27.5	-	0.8	80	80	70	2	0.08	0.6	252	EPB–105*0800DB127BU
2.0	800	31	20	11	27.5	-	0.8	80	160	40	3.5	0.08	0.6	207	EPB–205*0800DB127BU
3.0	800	31	22	13	27.5	-	0.8	80	240	28	4.5	0.08	0.6	171	EPB–305*0800DB127BU
4.0	800	31	24.5	15	27.5	-	0.8	80	320	19	5.5	0.08	0.6	153	EPB–405*0800DB127BU
5.0	800	31	28	18	27.5	-	0.8	80	400	16	7	0.08	0.6	126	EPB–505*0800DB127BU
6.0	800	31	28	18	27.5	-	0.8	80	480	12	7.5	0.10	0.65	126	EPB–605*0800DB127BU
7.0	800	31	33	18	27.5	-	0.8	80	560	11	9	0.10	0.65	117	EPB–705*0800DB127BU
8.0	800	31	31	22	27.5	-	0.8	80	640	10	9.5	0.10	0.65	99	EPB–805*0800DB127BU
9.0	800	31	37	22	27.5	-	0.8	80	720	9.5	10	0.10	0.65	99	EPB–905*0800DB127BU
10.0	800	41.5	35	20	37.5	-	1.0	45	450	15.5	8	0.14	1.2	84	EPB–106*0800DB137BU
10.0	800	41.5	35	20	37.5	10.2	1.2	45	450	14.5	8.5	0.12	1.1	84	EPB–106*0800DB137BU–F
12.0	800	41.5	35.5	22.5	37.5	-	1.0	45	540	12	8.5	0.14	1.2	70	EPB–126*0800DB137BU
12.0	800	41.5	35.5	22.5	37.5	10.2	1.2	45	540	11	9	0.12	1.1	70	EPB–126*0800DB137BU–F
15.0	800	41.5	39	24	37.5	-	1.0	45	675	10	10	0.14	1.2	70	EPB–156*0800DB137BU
15.0	800	41.5	39	24	37.5	10.2	1.2	45	675	9	11	0.12	1.1	70	EPB–156*0800DB137BU–F
20.0	800	41.5	41	27.5	37.5	-	1.0	45	900	8	13	0.14	1.2	56	EPB–206*0800DB137BU
20.0	800	41.5	41	27.5	37.5	10.2	1.2	45	900	7	13.5	0.12	1.1	56	EPB–206*0800DB137BU–F
22.0	800	41.5	45	30	37.5	-	1.0	45	990	7	14.5	0.14	1.2	56	EPB–226*0800DB137BU
22.0	800	41.5	45	30	37.5	20.3	1.2	45	990	6	15.5	0.12	1.1	56	EPB–226*0800DB137BU–FF
25.0	800	41.5	45	32	37.5	-	1.0	45	1125	6	15.5	0.14	1.2	49	EPB–256*0800DB137BU
25.0	800	41.5	45	32	37.5	20.3	1.2	45	1125	5.5	16	0.12	1.1	49	EPB–256*0800DB137BU–FF
30.0	800	58	45	30	52.5	20.3	1.2	25	750	9	12	0.22	2.2	40	EPB–306*0800DB152BU–FF
35.0	800	58	45	30	52.5	20.3	1.2	25	875	8	14.5	0.22	2.2	40	EPB–356*0800DB152BU–FF
40.0	800	58	50	35	52.5	20.3	1.2	25	1000	6.5	15	0.22	2.2	35	EPB–406*0800DB152BU–FF
45.0	800	58	50	35	52.5	20.3	1.2	25	1125	6	17	0.22	2.2	35	EPB–456*0800DB152BU–FF
50.0	800	58	53	38	52.5	20.3	1.2	25	1250	5.5	18	0.22	2.2	30	EPB–506*0800DB152BU–FF

TYPE NO.
* = Capacitance tolerance code
K = ±10%, M = ±20%

V_{NDC} 85°C = 900VDC, V_{OPDC} 70°C = 1100VDC															
Cap (μF)	V_{NDC}	Dimensions (mm) W	H	T	P mm	P1 mm	dØ mm	dv/dt V/μs	I_{PEAK} A	ESR 10Khz mΩ	Irms 10Khz A	tanδ 1Khz %	tanδ 10Khz %	SPQ	料号 Part Number
1.0	900	31	18	9	27.5	-	0.8	80	80	70	2	0.08	0.55	252	EPB–105*0900DB127BU
2.0	900	31	22	13	27.5	-	0.8	80	160	33	3.5	0.08	0.55	171	EPB–205*0900DB127BU
5.0	900	31	30.5	20	27.5	-	0.8	80	400	16.5	7.5	0.08	0.55	108	EPB–505*0900DB127BU
7.0	900	31	37	22	27.5	-	0.8	80	560	10	9	0.10	0.60	99	EPB–705*0900DB127BU
10.0	900	41.5	35.5	22.5	37.5	-	1	54	540	16.5	8.5	0.12	1.0	70	EPB–106*0900DB137BU
10.0	900	41.5	35.5	22.5	37.5	10.2	1.2	54	540	13.5	9	0.11	0.95	70	EPB–106*0900DB137BU–F
12.0	900	41.5	39	24	37.5	-	1	54	648	12	9.5	0.12	1.0	70	EPB–126*0900DB137BU
12.0	900	41.5	39	24	37.5	10.2	1.2	54	648	11.5	10	0.11	0.95	70	EPB–126*0900DB137BU–F
14.0	900	41.5	38	28	37.5	-	1	54	756	11	10	0.12	1.0	56	EPB–146*0900DB137BU
14.0	900	41.5	38	28	37.5	10.2	1.2	54	756	10	11	0.11	0.95	56	EPB–146*0900DB137BU–F
16.0	900	41.5	41	27.5	37.5	-	1	54	864	9	11	0.12	1.0	56	EPB–166*0900DB137BU
16.0	900	41.5	41	27.5	37.5	10.2	1.2	54	864	8.5	12	0.11	0.95	56	EPB–166*0900DB137BU–F
20.0	900	41.5	45	30	37.5	-	1	54	1080	6.5	14	0.12	1.0	56	EPB–206*0900DB137BU
20.0	900	41.5	45	30	37.5	20.3	1.2	54	1080	6	15.5	0.11	0.95	56	EPB–206*0900DB137BU–FF
25.0	900	58	45	30	52.5	20.3	1.2	35	875	10	11.5	0.20	1.9	40	EPB–256*0900DB152BU–FF
30.0	900	58	45	30	52.5	20.3	1.2	35	1050	9	13	0.20	1.9	40	EPB–306*0900DB152BU–FF
35.0	900	58	50	35	52.5	20.3	1.2	35	1225	8	15.5	0.20	1.9	35	EPB–356*0900DB152BU–FF
40.0	900	58	50	35	52.5	20.3	1.2	35	1400	6.5	17	0.20	1.9	35	EPB–406*0900DB152BU–FF

TYPE NO.
* = Capacitance tolerance code
K = ±10%, M = ±20%

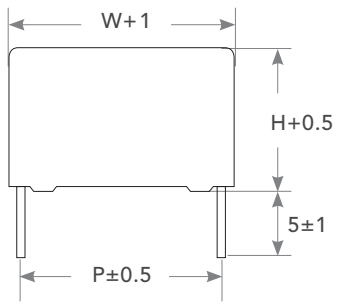
V_{NDC} 85°C = 1100VDC, V_{OPDC} 70°C = 1300VDC															
Cap (μF)	V_{NDC}	Dimensions (mm)			P mm	P1 mm	dØ mm	dv/dt V/μs	I_{PEAK} A	ESR 10Khz mΩ	Irms 10Khz A	tanδ 1Khz %	tanδ 10Khz %	SPQ	料号 Part Number
		W	H	T											
1.5	1100	31	22	13	27.5	-	0.8	100	150	28	4	0.08	0.45	171	EPB–155*1100DB127BU
3.0	1100	31	28	18	27.5	-	0.8	100	300	20	6	0.08	0.45	126	EPB–305*1100DB127BU
5.0	1100	31	37	22	27.5	-	0.8	100	500	11	9	0.08	0.45	99	EPB–505*1100DB127BU
8.0	1100	41.5	39	24	37.5	-	1.0	73	584	13	9	0.11	0.9	70	EPB–805*1100DB137BU
8.0	1100	41.5	39	24	37.5	10.2	1.2	73	584	12	9.5	0.10	0.8	70	EPB–805*1100DB137BU–F
10.0	1100	41.5	38	28	37.5	-	1.0	73	730	12	10.5	0.11	0.9	56	EPB–106*1100DB137BU
10.0	1100	41.5	38	28	37.5	10.2	1.2	73	730	11	11	0.10	0.8	56	EPB–106*1100DB137BU–F
12.0	1100	41.5	45	30	37.5	-	1.0	73	876	10	12.5	0.11	0.9	56	EPB–126*1100DB137BU
12.0	1100	41.5	45	30	37.5	20.3	1.2	73	876	9	13.5	0.10	0.8	56	EPB–126*1100DB137BU–FF
14.0	1100	41.5	45	30	37.5	-	1.0	73	1022	9	13.5	0.11	0.9	56	EPB–146*1100DB137BU
14.0	1100	41.5	45	30	37.5	20.3	1.2	73	1022	8	14.5	0.10	0.8	56	EPB–146*1100DB137BU–FF
15.0	1100	42.5	45	33	37.5	20.3	1.2	73	1095	6.5	15	0.11	0.9	48	EPB–156*1100DB137BU–FF
20.0	1100	58	45	30	52.5	20.3	1.2	50	1000	11	12.5	0.17	1.6	40	EPB–206*1100DB152BU–FF
25.0	1100	58	50	35	52.5	20.3	1.2	50	1250	9	15	0.17	1.6	40	EPB–256*1100DB152BU–FF
27.0	1100	58	50	35	52.5	20.3	1.2	50	1350	7.5	16	0.17	1.6	35	EPB–276*1100DB152BU–FF
30.0	1100	58	53	38	52.5	20.3	1.2	50	1500	6.5	16.5	0.17	1.6	35	EPB–306*1100DB152BU–FF

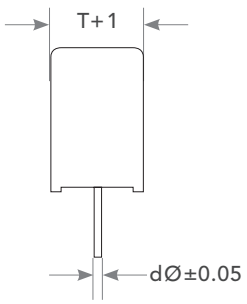
TYPE NO.
* = Capacitance tolerance code
K = ±10%, M = ±20%

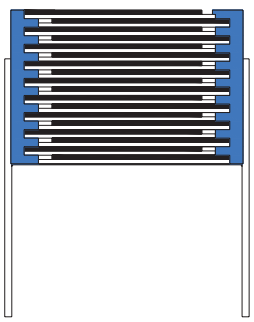
金属化聚丙烯薄膜电容(MPBF)交流滤波
METALLIZED POLYPROPYLENE FILM CAPACITOR–RADIAL(MPBF)AC FILTER

MPBF

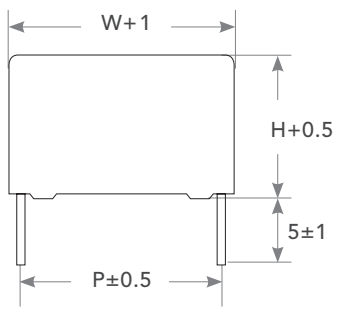
2–PINS Version

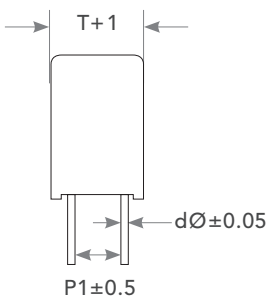






4–PINS Version





金属化聚丙烯薄膜
Metallized Polypropylene Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 绕卷: 低感式
  Winding: Low inductive type
- 导线: 镀锡线
  Leads: Tinned Wire
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 容量高频性高
  High frequency capability
- 高纹波电流
  High Ripple Current
- 良好的自愈性
  Self–healing properties
- 优化交流电压性能
  Optimized AC voltage performance

推荐应用 Recommended Application:

- 电源转换器交流输出滤波器
  AC output filter for power converters
- 太阳能逆变器
  Solar inverters

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 61071/60068			
额定电压 Rated Voltage	V_N 85°C	250 VAC	300 VAC	350 VAC
	V_N 105°C	170 VAC	210 VAC	240 VAC
额定温度 Rated Temperature	–40°C ~ +85°C			
最大运行温度(外壳) Maximum Operating Temperature(Case)	105°C			
容量范围 Capacitance Range	1.0μF ~ 60.0μF			
容量误差 Capacitance Tolerance	±5% (J), ±10% (K)			
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at 20°C ±5°C), Voltage charge time: 1 minute. Voltage: 100VDC ≥ 10000MΩ × μF			
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C ±5°C) 1.5 × V_R applied for 10sec.			
自感 (Ls) Self inductance (Ls)	< 1nH per mm of lead spacing			

V_N 85°C = 250VAC													
Cap (μF)	V_{NAC}	Dimensions (mm) W	H	T	P mm	P1 mm	dØ mm	dv/dt V/μs	I_{PEAK} A	ESR 10Khz mΩ	Irms 10Khz A ▲	SPQ	料号 Part Number
2.0	250	31	18	9	27.5	-	0.8	50	100	45	3	207	MPBF205*0250AB127B
2.5	250	31	20	10	27.5	-	0.8	50	125	35	3.5	171	MPBF225*0250AB127B
3.3	250	31	20.5	12	27.5	-	0.8	50	165	25	5	171	MPBF335*0250AB127B
5.0	250	31	24.5	15	27.5	-	0.8	50	250	14	8	153	MPBF505*0250AB127B
8.0	250	31	33	18	27.5	-	0.8	50	400	10	9	126	MPBF805*0250AB127B
10.0	250	31	37	22	27.5	-	0.8	50	500	9	11	99	MPBF106*0250AB127B
12.0	250	31	37	22	27.5	-	0.8	25	300	7	12	99	MPBF126*0250AB127B
15.0	250	41.5	35.5	22.5	37.5	10.2	1.2	25	375	9	14	70	MPBF156*0250AB137B–F
15.0	250	41.5	35.5	22.5	37.5	-	1.0	25	375	10	13	70	MPBF156*0250AB137B
16.0	250	41.5	35.5	22.5	37.5	10.2	1.2	25	400	8	14	70	MPBF166*0250AB137B–F
16.0	250	41.5	35.5	22.5	37.5	-	1.0	25	400	9	13	70	MPBF166*0250AB137B
20.0	250	41.5	38	28	37.5	10.2	1.2	25	500	6	16	56	MPBF206*0250AB137B–F
20.0	250	41.5	38	28	37.5	-	1.0	25	500	7	15	56	MPBF206*0250AB137B
30.0	250	41.5	45	30	37.5	20.3	1.2	12	360	5	19	56	MPBF306*0250AB137B–FF
30.0	250	41.5	45	30	37.5	-	1.0	12	360	5.5	18	56	MPBF306*0250AB137B
40.0	250	58	45	30	52.5	20.3	1.2	12	480	5	23	40	MPBF406*0250AB152B–FF
50.0	250	58	50	35	52.5	20.3	1.2	12	600	5	26	35	MPBF506*0250AB152B–FF
60.0	250	58	50	35	52.5	20.3	1.2	12	720	5	29	35	MPBF606*0250AB152B–FF

TYPE NO.
* = Capacitance tolerance code
J = ±5%, K = ±10%
Irms (▲): Ambient temperature is 70°C

V_N 85°C = 300VAC													
Cap (μF)	V_{NAC}	Dimensions (mm) W	H	T	P mm	P1 mm	dØ mm	dv/dt V/μs	I_{PEAK} A	ESR 10Khz mΩ	Irms 10Khz A ▲	SPQ	料号 Part Number
1.0	300	31	18	9	27.5	-	0.8	68	68	80	3	252	MPBF105*0300AB127B
1.5	300	31	20	10	27.5	-	0.8	68	102	50	4	207	MPBF155*0300AB127B
2.2	300	31	22	13	27.5	-	0.8	68	150	45	5	171	MPBF225*0300AB127B
3.3	300	31	24.5	15	27.5	-	0.8	68	225	35	8	153	MPBF335*0300AB127B
5.0	300	31	33	18	27.5	-	0.8	68	340	20	11	126	MPBF505*0300AB127B
7.5	300	31	37	22	27.5	-	0.8	68	510	15	13	99	MPBF755*0300AB127B
10.0	300	41.5	35.5	22.5	37.5	10.2	1.2	35	350	10	13	70	MPBF106*0300AB137B–F
10.0	300	41.5	35.5	22.5	37.5	-	1.0	35	350	11	12	70	MPBF106*0300AB137B
14.0	300	41.5	38	28	37.5	10.2	1.2	35	490	8	14	56	MPBF146*0300AB137B–F
14.0	300	41.5	38	28	37.5	-	1.0	35	490	9	13	56	MPBF146*0300AB137B
15.0	300	41.5	38	28	37.5	20.3	1.2	35	525	6	14	56	MPBF156*0300AB137B–FF
15.0	300	41.5	38	28	37.5	-	1.0	35	525	7	13	56	MPBF156*0300AB137B
20.0	300	41.5	45	30	37.5	20.3	1.2	35	700	5	16	56	MPBF206*0300AB137B–FF
20.0	300	41.5	45	30	37.5	-	1.0	35	700	5.5	15	56	MPBF206*0300AB137B
20.0	300	58	40	26	52.5	-	1.0	15	300	15	13	45	MPBF206*0300AB152B
25.0	300	58	45	30	52.5	20.3	1.2	15	375	9	18	40	MPBF256*0300AB152B–FF
30.0	300	58	50	35	52.5	20.3	1.2	15	450	8	20	35	MPBF306*0300AB152B–FF
35.0	300	58	50	35	52.5	20.3	1.2	15	525	7	23	35	MPBF356*0300AB152B–FF
40.0	300	58	50	35	52.5	20.3	1.2	15	600	6	25	35	MPBF406*0300AB152B–FF

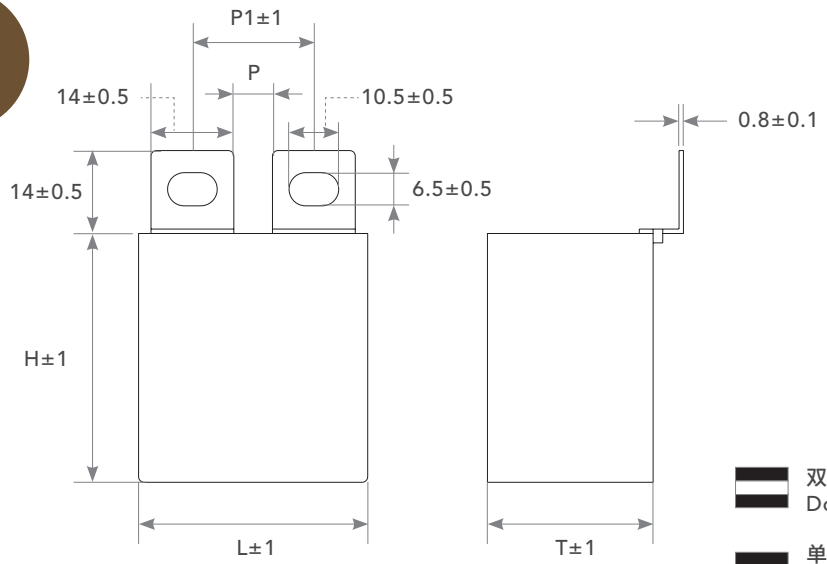
TYPE NO.
* = Capacitance tolerance code
J = ±5%, K = ±10%
Irms (▲): Ambient temperature is 70°C

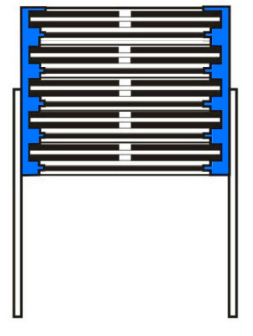
V_N 85°C = 350VAC													
Cap (μF)	V_{NAC}	Dimensions (mm) W	H	T	P mm	P1 mm	dØ mm	dv/dt V/μs	I_{PEAK} A	ESR 10Khz mΩ	Irms 10Khz A ▲	SPQ	料号 Part Number
1.0	350	31	20	10	27.5	-	0.8	100	100	45	3	207	MPBF105*0350AB127B
1.5	350	31	23.5	14	27.5	-	0.8	100	150	28	4.5	162	MPBF155*0350AB127B
2.2	350	31	24.5	15	27.5	-	0.8	100	200	21	6.5	153	MPBF225*0350AB127B
3.5	350	31	33	18	27.5	-	0.8	100	300	13	10	126	MPBF355*0350AB127B
5.0	350	31	37	22	27.5	-	0.8	100	500	10	13	99	MPBF505*0350AB127B
7.5	350	41.5	35.5	22.5	37.5	10.2	1.2	50	375	10	12	70	MPBF755*0350AB137B–F
7.5	350	41.5	35.5	22.5	37.5	-	1.0	50	375	10.5	11	70	MPBF755*0350AB137B
10.0	350	41.5	38	28	37.5	10.2	1.2	50	500	9	14	56	MPBF106*0350AB137B–F
10.0	350	41.5	38	28	37.5	-	1.0	50	500	10	13	56	MPBF106*0350AB137B
13.0	350	41.5	45	30	37.5	20.3	1.2	50	650	6	16	56	MPBF136*0350AB137B–FF
13.0	350	41.5	45	30	37.5	-	1.0	50	650	7	15	56	MPBF136*0350AB137B
15.0	350	41.5	45	32	37.5	20.3	1.2	50	750	7	16	49	MPBF156*0350AB137B–FF
18.0	350	58	45	30	52.5	20.3	1.2	50	900	6	17	40	MPBF186*0350AB152B–FF
20.0	350	58	45	30	52.5	20.3	1.2	35	700	6	18	40	MPBF206*0350AB152B–FF
25.0	350	58	50	35	52.5	20.3	1.2	35	875	5	21	35	MPBF256*0350AB152B–FF

TYPE NO.
* = Capacitance tolerance code
J = ±5%, K = ±10%
Irms (▲): Ambient temperature is 70°C

金属化聚丙烯薄膜电容(MPIS)吸收电容
METALLIZED POLYPROPYLENE FILM CAPACITOR–RADIAL (MPIS) SNUBBER

MPIS





W: 42.5 mm	P1: 21~27 mm

双面金属化聚酯薄膜
Double Side Metallized Polypropylene Film

单面金属化聚丙烯薄膜
Metallized Polypropylene Film

金属喷涂层
Metal Spray Layer

連接線
Connecting Wire

结构 Construction:

- 电介质: 金属化聚丙烯薄膜
  Dielectric: Metallized Polypropylene Film
- 结构: 加长双端面金属化载体膜,内部串联和金属化膜
  Construction: Extended double side metallized carrier film with internal series connection and metallized film
- 接线端子: 用于螺钉固定的镀锡铜耳(无铅)
  Terminals: Tinned copper lugs (lead–free) for screw fixing
- 外层: 阻燃塑胶外壳，环氧树脂填充
  Outer Coating: Flame retarding plastic case and epoxy filled

特点 Feature:

- 高电压、大电流
  High voltage, High current
- 良好的自愈性
  Self–healing properties
- 低电阻
  Low ESR

推荐应用 Recommended Application:

- 直接安装在IGBT模组上
  Direct mount on IGBT modules
- 变频器
  Frequency converters
- 电动机驱动器
  Motor drives
- 光伏和风力逆变器
  Photovoltaic and wind inverters

电气特性 Electrical Characteristics:

引用标准 Related Documents	IEC 61071/60068
额定电压 Rated Voltage	850, 1000, 1200, 1600, 2000 VDC
额定温度 Rated Temperature	–40°C ~ +85°C
最大运行温度(外壳) Maximum Operating Temperature (Case)	105°C　Derating ratio of rated voltage to +85°C ~ +105°C: 1.25% per °C for Rated Voltage
容量范围 Capacitance Range	0.1 μF ~ 2.5 μF
容量误差 Capacitance Tolerance	± 5% (J), ± 10% (K)
绝缘电阻 Insulation Resistance	Terminal to Terminal: (at 20°C ±5°C), Voltage charge time: 1 minute. Voltage: 100VDC ≥ 100,000MΩ　For C≤0.33μF,　≥ 30,000s　For C＞0.33μF
耐压 Withstand Voltage	Terminal to Terminal: (at 20°C ±5°C) 1.6× U_R (DC) applied for 10sec. / 2 × U_R (DC) applied for 2sec.
损耗角正切 Dissipation Factor	≤0.0005 (at 1 KHz)

V_{NDC} = 850VDC, V_{AC} = 500VAC

Cap (μF)	V_{NDC}	Dimensions (mm) W	H	T	dv/dt V/μs	I_{PEAK} A	ESR 100Khz mΩ	Irms 100Khz A	料号 Part Number
0.82	850	42.5	27.5	24.5	750	615	7.0	15	MPIS824J0850D20814–A
1.0	850	42.5	27.5	24.5	750	750	6.5	17	MPIS105J0850D20814–A
1.5	850	42.5	35.5	33.5	750	1125	5.5	22	MPIS155J0850D20814–A
2.0	850	42.5	45	33	750	1500	5.5	26	MPIS205J0850D20814–A
2.5	850	42.5	45	33	750	1875	5.0	27	MPIS255J0850D20814–A

V_{NDC} = 1000VDC, V_{AC} = 550VAC

Cap (μF)	V_{NDC}	Dimensions (mm) W	H	T	dv/dt V/μs	I_{PEAK} A	ESR 100Khz mΩ	Irms 100Khz A	料号 Part Number
0.47	1000	42.5	27.5	24.5	850	399.5	7.5	14	MPIS474J1000D20814–A
0.68	1000	42.5	27.5	24.5	850	578	6.0	16	MPIS684J1000D20814–A
0.82	1000	42.5	27.5	24.5	850	697	6.0	18	MPIS824J1000D20814–A
1.0	1000	42.5	35.5	33.5	850	850	5.5	19	MPIS105J1000D20814–A
1.2	1000	42.5	35.5	33.5	850	1020	5.0	21	MPIS125J1000D20814–A
1.5	1000	42.5	35.5	33.5	850	1275	5.0	22	MPIS155J1000D20814–A
2.0	1000	42.5	45	33	850	1700	5.0	23	MPIS205J1000D20814–A
2.2	1000	42.5	45	33	850	1870	5.0	23	MPIS225J1000D20814–A
2.5	1000	42.5	45	33	850	2125	4.5	24	MPIS255J1000D20814–A

V_{NDC} = 1200VDC, V_{AC} = 630VAC									
Cap (μF)	V_{NDC}	Dimensions (mm) W	H	T	dv/dt V/μs	I_{PEAK} A	ESR 100Khz mΩ	Irms 100Khz A	料号 Part Number
0.33	1200	42.5	27.5	24.5	1000	330	8	12	MPIS334J1200D20814–A
0.47	1200	42.5	27.5	24.5	1000	470	7	14	MPIS474J1200D20814–A
0.68	1200	42.5	35.5	33.5	1000	680	6	18	MPIS684J1200D20814–A
0.82	1200	42.5	35.5	33.5	1000	820	5.5	20	MPIS824J1200D20814–A
1.0	1200	42.5	35.5	33.5	1000	1000	5	21	MPIS105J1200D20814–A
1.2	1200	42.5	35.5	33.5	1000	1200	5	22	MPIS125J1200D20814–A
1.5	1200	42.5	45	33	1000	1500	4.5	26	MPIS155J1200D20814–A

V_{NDC} = 1600VDC, V_{AC} = 650VAC									
Cap (μF)	V_{NDC}	Dimensions (mm) W	H	T	dv/dt V/μs	I_{PEAK} A	ESR 100Khz mΩ	Irms 100Khz A	料号 Part Number
0.33	1600	42.5	27.5	24.5	1200	396	8	13	MPIS334J1600D20814–A
0.47	1600	42.5	27.5	24.5	1200	564	7	15	MPIS474J1600D20814–A
0.68	1600	42.5	35.5	33.5	1200	816	6	18	MPIS684J1600D20814–A
0.82	1600	42.5	35.5	33.5	1200	984	5.5	20	MPIS824J1600D20814–A
1.0	1600	42.5	45	33	1200	1200	5	22	MPIS105J1600D20814–A

V_{NDC} = 2000VDC, V_{AC} = 700VAC									
Cap (μF)	V_{NDC}	Dimensions (mm) W	H	T	dv/dt V/μs	I_{PEAK} A	ESR 100Khz mΩ	Irms 100Khz A	料号 Part Number
0.1	2000	42.5	27.5	24.5	1600	160	20	8	MPIS104J2000D20814–A
0.15	2000	42.5	27.5	24.5	1600	240	15	10	MPIS154J2000D20814–A
0.22	2000	42.5	27.5	24.5	1600	352	10	12	MPIS224J2000D20814–A
0.33	2000	42.5	27.5	24.5	1600	528	8	13	MPIS334J2000D20814–A
0.47	2000	42.5	35.5	33.5	1600	752	7	16	MPIS474J2000D20814–A
0.68	2000	42.5	35.5	33.5	1600	1088	6	18	MPIS684J2000D20814–A
0.82	2000	42.5	45	33	1600	1312	5.5	21	MPIS824J2000D20814–A
1.0	2000	42.5	45	33	1600	1600	5	22	MPIS105J2000D20814–A

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