



# Metallized Polypropylene Film Interference Suppression Capacitors

## 金属化聚丙烯膜抑制电磁电源干扰用电容器 (MPX/MKP X2 320VAC--MP2 Series/ MP2 系列)

### 引用标准 Reference standards

GB/T6346.14-2015/ UL60384-14/VDE0565-1/ CSA E60384-14  
IEC60384-14 /EN60384-14/KC60384-14/KC60384-1

### 结构 Structure

介质：（金属化）聚丙烯膜

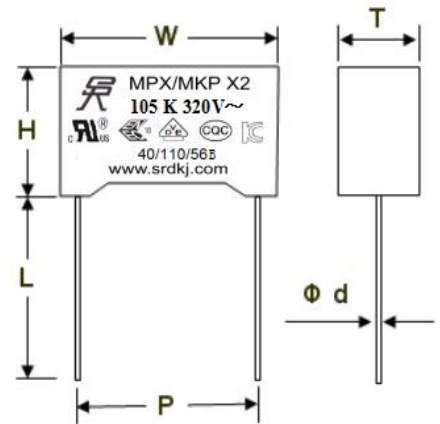
封装：阻燃环氧树脂，符合 UL94 V-0

外壳：阻燃 PBT 塑壳，符合 UL94 V-0

Dielectric: (Metallized) Polypropylene film

Encapsulation: Flame retardant epoxy resin, conforming to UL94 V-0

Shell: Flame retardant PBT plastic shell, conforming to UL94 V-0



### 典型应用 Typical Application

跨线、抑制突波、交流场合 EMI 滤波；电源开关等。如：灯具、电源等

Interlines, Surge suppression, Across-in-line as EMI filter;

Power switch etc. Such as: Lamps, Power Sources etc.

### 特点 Features

外观一致性好；有良好自愈性 Good appearance consistency; Good self-healing property;

抗湿性强；高耐温 Good resistance to humidity; Can withstand high temperature;

长寿命，耐过电压优良 Long lifetime; Good ability to withstand surge voltage.

### 符合 RoHS 及 REACH 环保标准 Compliance with RoHs & REACH requirements.

### 电性能规范 Performance Specifications

气候类别 Climate category	40/110/56	
阻燃等级 Passive flammability class	B	
额定电压 Rated Voltage	320VAC	
容量误差 Capacitance Tolerance	K: ±10%	
容量范围 Capacitance Range	0.0022μF~4.7μF Test Condition: 20°C, 1KHz, 1Vrms	
耐电压 Withstand Voltage	Terminal to terminal: 4.3U <sub>R</sub> (Vdc),5S Terminal to shell: 2140VAC 60S	No breakdown or electric arcing
损耗角 Dissipation factor	≤0.0020 10KHz C <sub>R</sub> ≤1.0μF ≤0.0010 1KHz C <sub>R</sub> >1.0μF	Test Condition : 20°C 1V
绝缘电阻或时间常数 Insulation Resistance	C <sub>R</sub> ≤0.33μF IR≥15000MΩ C <sub>R</sub> >0.33μF IR≥5000S	Test Condition : 20°C 100V 1 min
最大脉冲爬升速率 Max. Pulse Rise Time (dV / dt)	P=7.5mm dV / dt = 800V/μs P=10mm dV / dt = 500V/μs P=15mm dV / dt = 400V/μs P=22.5mm dV / dt = 200V/μs P=27.5mm dV / dt = 150V/μs	



# Metallized Polypropylene Film Interference Suppression Capacitors

## 金属化聚丙烯膜抑制电磁电源干扰用电容器 (MPX/MKP X2 320VAC--MP2 Series/ MP2 系列)

### 电性能规范 Performance Specifications

稳态湿热 Steady-state Damp-heat Test	温度 Temp.: 40±2℃ 相对湿度 Humidity: 93%RH 持续时间 Duration Time: 56 Days	无可见损伤, 标志清晰 no visible damage, clear mark 绝缘电阻 IR: ≥ 额定值的 50% IR: ≥ 50% of Rated value 容量变化 (相对初始值): Capacitance change: $\Delta C/C \leq \pm 5\%$ 损耗角增加 Dissipation factor: Rise $\leq 0.0080$ (10KHz), $C_R \leq 1\mu F$ Rise $\leq 0.0050$ (1KHz), $C_R > 1\mu F$
耐久性试验 Endurance Test	温度 Temp.: +110℃, 施加电压: 1.25×额定电压(每小时 增加电压到 1000Vac, 0.1 秒, 1 次) Test Voltage: 1.25 Times Rated Voltage ( Rise the voltage to 1000Vac for .01s once per hours ) 持续时间 Duration Time: 1000H	绝缘电阻 Insulation Resistance IR: ≥ 50% of rated value 容量变化 (相对初始值): $\Delta C/C \leq \pm 10\%$ Capacitance change: $\Delta C/C \leq \pm 10\%$

### 安规认证 Safety Certification

认证标志 Certification	额定电压 Rated Voltage	证书号码 Certificate No.	引用标准 Reference standard	认证国家 Certification Country
UL/CUL	320VAC	E319615	UL60384-14 CSA E60384-14	美国、加拿大 America / Canada
VDE	320VAC	40028812	EN60384-14	德国 Germany
ENEC	320VAC	40028812	EN60384-14	欧盟 Europe
CQC	320VAC	CQC09001035778	GB/T6346.14-2015	中国 China
KC	320VAC	SU030803- (16001-16005)	KC60384-14	韩国 Korea

### 产品编码说明 Part No. Description:

15 位产品编码如下:

The Part No. is total 15 digits, details as follow:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----

M	P	2	1	0	5	K	3	2	E	4	R	8	*	*
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Digit 1-3	型号代码 Product Name Code	MP2= Class X2 Capacitors
Digit 4-6	标称容量 Rated Capacitance Value	For example : 105 = $10 \times 10^5 \text{pF} = 1.0\mu F$
Digit 7	容量偏差 Capacitance Tolerance	K=±10%
Digit 8-9	额定电压 Rated Voltage Code	32=320VAC
Digit 10-11	壳号 Plastic shell code	
Digit 12	塑壳颜色 Plastic Shell Color	R = Grey Color with LOGO on the shell top
Digit 13	线径代码 Line diameter code	6=0.6 8=0.8
Digit 14-15	成型或内部识别码 Forming Type or Internal Use	



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Safety Capacitors](#) category:*

*Click to view products by [Sincerity](#) manufacturer:*

Other Similar products are found below :

[B32022B3223K026](#) [B32912A3104K026](#) [B81123C1102M003](#) [MKPY2-.02230020P15](#) [46KN333000M1M](#) [46KN422000P0M](#)  
[46KR422000M1K](#) [MP1125KRE6RLC](#) [MP2683KGC2XLC](#) [MP2124KGC3XLC](#) [MP2684KGD4XLC](#) [MP2474KGE1XLC](#) [46KF268000M1M](#)  
[46KI3150NDM2M](#) [PHE840MD6220MD13R30](#) [PHE840MY6470MD14R06](#) [PHE845VD5470MR06](#) [R463N4100ZAM1K](#) [MKPX2R-](#)  
[1/400/10P27](#) [YP500101K040B20C2P](#) [YU0AH222M090DAMD0B](#) [LS1808N102K302NX080TM](#) [CY1471KE1IEB46X2A2](#)  
[CY1222ME5IEE48O2A2](#) [MPX474K31DTEV158G0](#) [Y2560K-D1I-B4-AC250V](#) [HMF222MG3BW](#) [CY1471ME19EE45W2A2](#)  
[MPX104K31D2KN158HF](#) [MPX224K31D2KN158G0](#) [PX104K2W1502](#) [MP2224K32C5J6LC](#) [H102M050FQ55250L750A](#)  
[MP2474K32D6R8LC](#) [MP2224K32C3J6LC](#) [MP2104K32C3J6LC](#) [PX334K2C1006](#) [YU0AC222M080L20C7B](#) [MP2473K27B2X6LC](#)  
[MP2224K32D4J8LC](#) [MP2684K32D6T8LC](#) [ST3Y1Y5U332M500VAC](#) [ST3Y1Y5V472M500VAC](#) [MP2474K32D4X8LC](#)  
[MP2474K32D4J8LC](#) [YU0AH332M110L4EB0B](#) [CY1681ME1IEE45S2A2](#) [Y1220J-E1I-B4-AC400V](#) [Y1120K-E1I-B4-AC400V](#)  
[MP2154K32D2R8LC](#)