深圳市山锐电子有限公司
SHENZHEN SHANRUI ELECTRONICS CO.,LTD
TEL：0755-83210121　FAX：0755-83208946　http://www.szsrdz.com

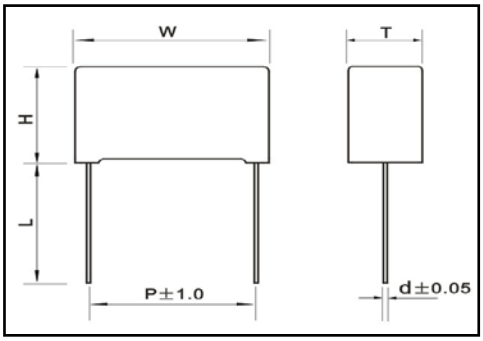
金属化聚丙烯膜抗干扰电容器 X2-MPX

Metallized Polypropylene Film Capacitor, Class Type:X2-MPX

为无感结构，用金属化聚丙烯膜作为电介质/电极绕制而成,导线采用镀锡铜包钢钱，使用环氧树脂密封在塑壳内。

Are non-inductively wound with metalized polypropylene film as dielectric/electrode with copper-clad steel leads and encapsulated in a plastic case sealed with epoxy resin.

◆ 外形图：　Outline Drawing：



◆ 特性：

- 塑料外壳封装，外观一致性好
- 能承受过压冲击
- 优异的阻燃性能
- 能承受 2.5KV 的脉冲电路，属 X2 类

◆ Features：

- Box type provides the identical outer appearance.
- Withstanding overvoltage stressing.
- Excellent active and passive flame resistant abilities.
- Withstanding 2.5KV impulse voltage, Class X2.

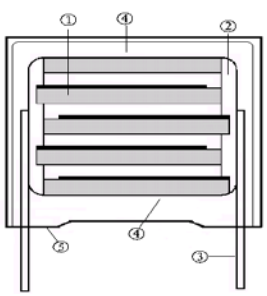
◆ 主要用途：

- 广泛用于电源跨线降噪抑制干扰电路，及交流场合。
- 电网电源供电的电子仪器和电子设备，开关、触点等产生火花放电的部位。
- 电动工具、灯饰、风筒、热水器等家用电器。

◆ Typical Applications：

- As an across-the-line type noise suppression capacitor, and suitable
- Grid power supply of electronic instruments and electronic equipment, switch, contacts produces a spark discharge sites.
- Electric tools, lighting, hair dryers, water heaters and other household electrical appliances

◆ 结构图：
structure chart：



① 金属化聚丙烯膜	Metallized Polypropylene film
② 喷金层	Spray Layers
③ CP 线	CP Wires
④ 环氧树脂	Epoxy Resin
⑤ PBT 阻燃塑料外壳	Fire-proof plastic Case

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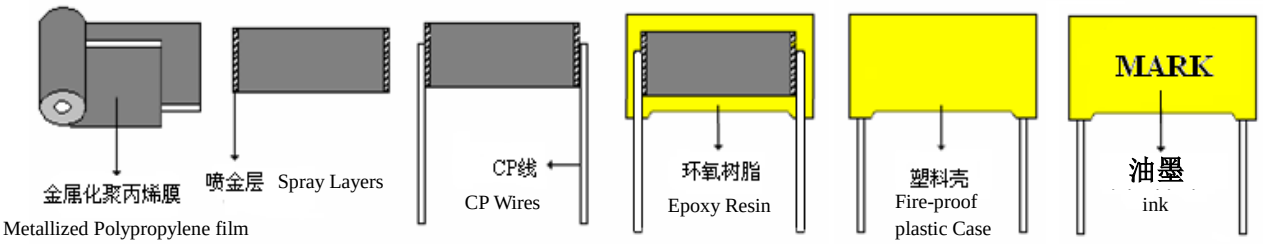

◆ 安全认证：Safety Approvals

◆ 性能说明：
Specification：

参考标准： Reference Standards:	GB14472-2005(China)IEC60384-1 (International) EN132400,EN60384-14, IEC60384-14
额定电压： Rated Voltage(U_R):	310VAC
温度范围： Operation Temperature Range:	-40℃ — +110℃
电容量范围： Capacitance Range:	0.0047μF – 4.7μF
电容量偏差范围： Capacitance Tolerance Range:	K(±10%)
电介质： Dielectric:	聚丙膜 Polypropylene Film
损耗角正切：（25℃±5℃） Dissipation Factor Tanδ:	≤0.15%（CR ≤ 1μF ）　≤0.3%（CR ＞ 1μF ） （25℃±5℃,10KHz）
绝缘电阻，在引出端之间 Insulation Resistance: Between Terminals:	100VDC，1Min（20±5℃） C≤0.33μF　≥30000MΩ C＞0.33μF　≥10000 MΩ·S
耐电压： Withstand Voltage:	引线之间：Between Terminals　CR≤1.0μF　1800VDC(2S) CR＞1.0μF　4.3U_RVDC(2S) 极壳之间：Between Terminals to Case　2100VAC
寿命试验： Life. Test Conditions:	100±2℃，1.25U_R，1,000Hours 电容变化率：≤初始值的±3% Capacitance Drift: ≤±3%　Of the initial value 损耗角正切≤原测量值的≤0.06%增加值 Dissipation Factor　≤0.06% Of increased value

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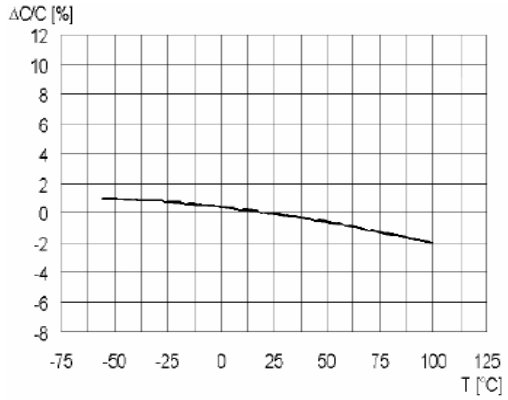
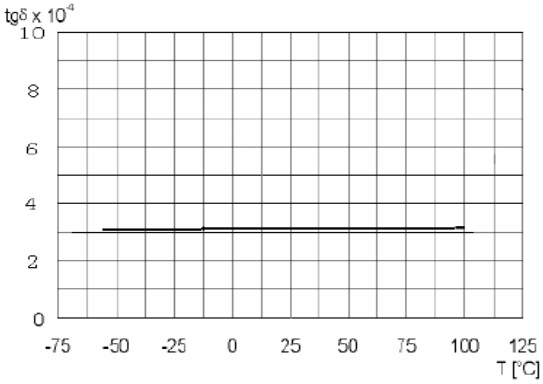
◆ **聚丙烯膜电容器特性曲线:**

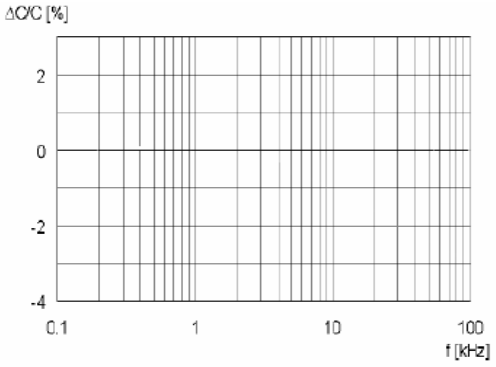
Polypropylene film capacitor characteristic curve：



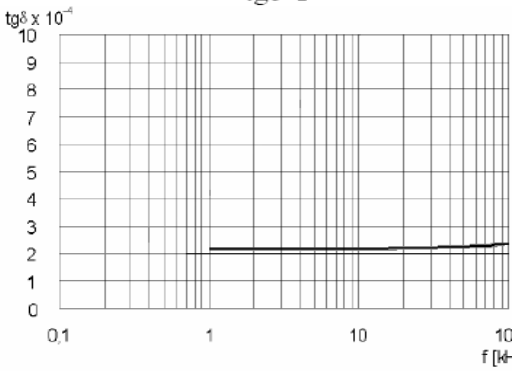
C-T



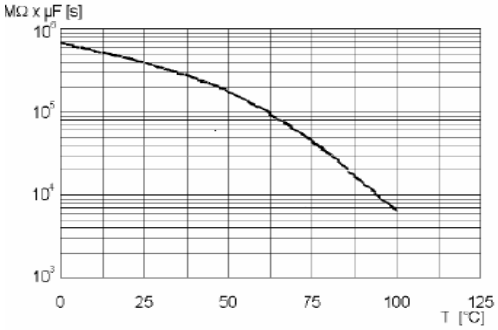
tgδ-T



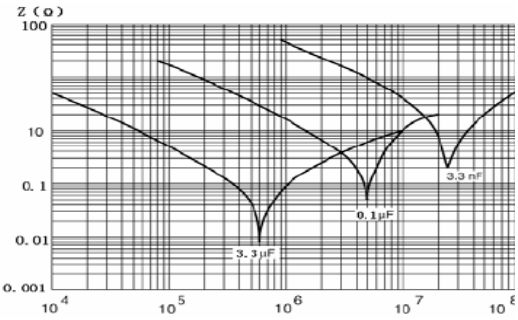
C-f



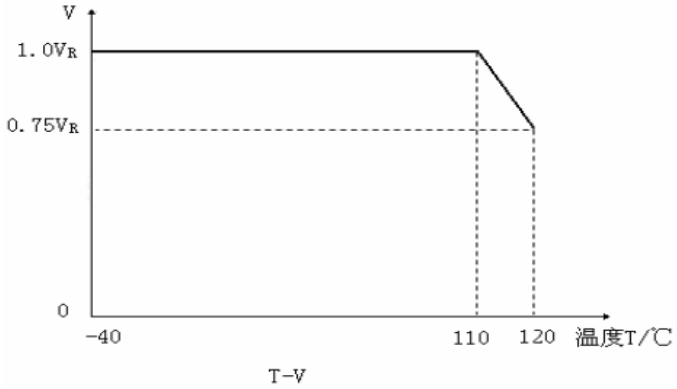
tgδ-f



R-T



Z-f



T-V