



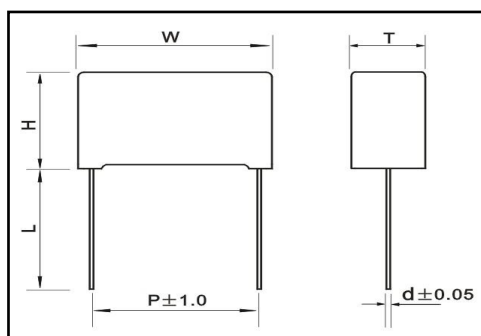
安规电容 X2 (MPX/MKP)

Safety Capacitor, Class Type:X2-MPX/MKP

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线，使用环氧树脂密封在塑壳内。

Are non-inductively wound with metallized 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:

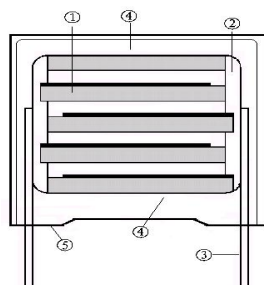
- 广泛用于电源跨线降噪抑制干扰电路，及交流场合。
- 电网电源供电的电子仪器和设备，开关、触点等产生火花放电的部位。
- 电动工具、灯饰、风筒、热水器等家用电器。

◆ 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

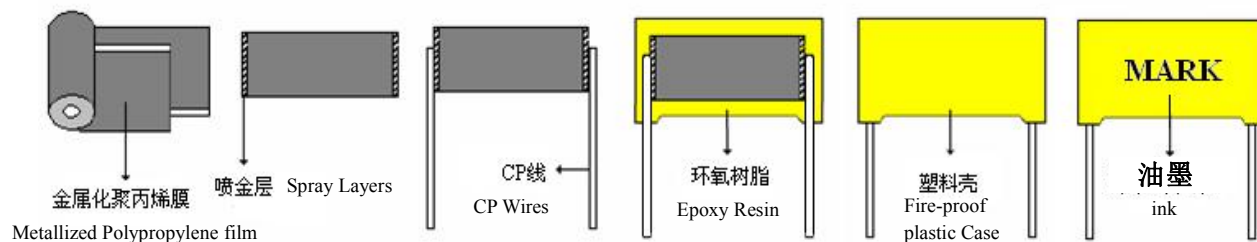
◆ 结构图:

structure chart:



- ① 金属化聚丙烯膜
- ② 喷金层
- ③ CP 线
- ④ 环氧树脂
- ⑤ PBT 阻燃塑料外壳

- Metallized Polypropylene film
- Spray Layers
- CP Wires
- Epoxy Resin
- Fire-proof plastic Case



◆ 安全认证: Safety Approvals



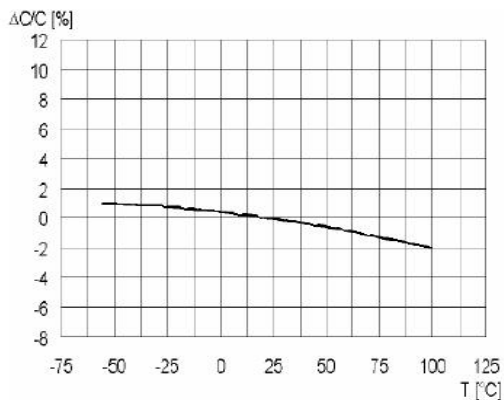
◆ 性能说明:
Specification:

参考标准 Reference Standards:	GB/T14472-2005(China)IEC60384-1 (International) EN132400,EN60384-14,UL1414,IEC60384-14
额定电压 Rated Voltage(UR):	310VAC(UL)
最大连续直流电压 Maximum Continuous DC Voltage	630VDC
气候类别 Climate Category	40/110/56/B
温度范围 Operation Temperature Range:	-40°C - +110°C
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:	聚丙烯膜 Polypropylene Film
损耗角正切: (25°C±5°C) Dissipation Factor Tanδ:	≤0.15% (CR ≤ 1μF) ≤0.3% (CR > 1μF) (25°C±5°C,10KHZ)
绝缘电阻, 在引出端之间 Insulation Resistance(Between Terminals):	100VDC, 1Min (20±5°C) C≤0.33μF ≥30000MΩ C > 0.33μF ≥10000 MΩ·S
耐电压 Withstand Voltage:	引线之间: Between Terminals CR≤1.0μF 2000VDC(2S) CR > 1.0μF 4.3URVDC(or 1800VDC)(2S) 极壳之间: Between Terminals to Case 2100VAC

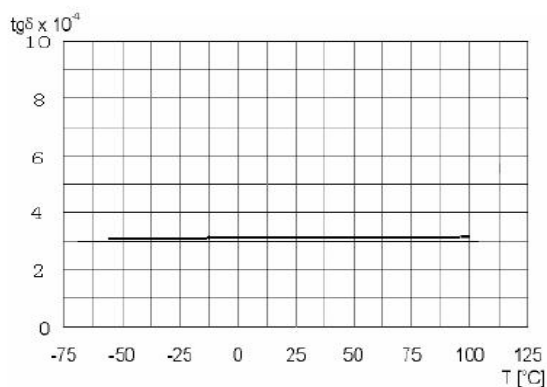


◆ 聚丙烯膜电容器特性曲线:

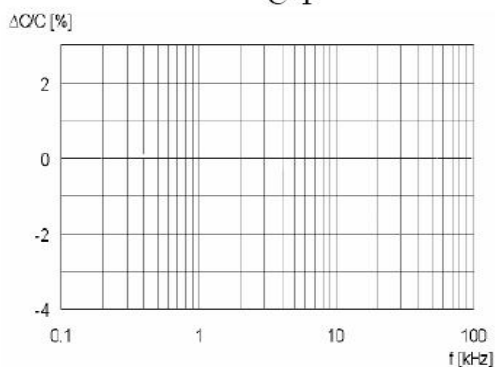
Polypropylene film capacitor characteristic curve:



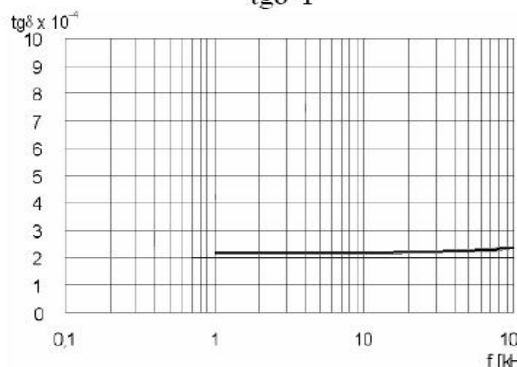
C-T



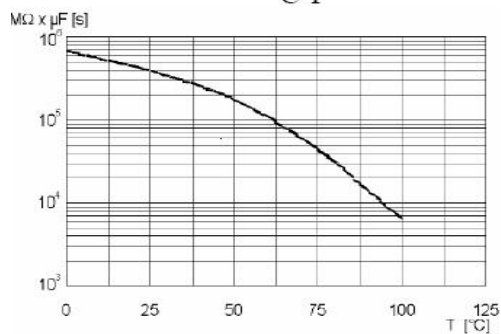
tgδ-T



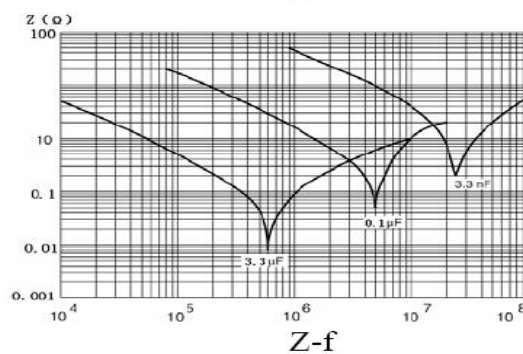
C-f



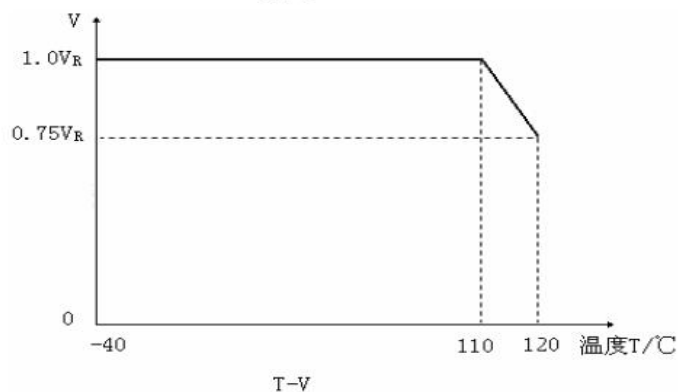
tgδ-f



R-T



Z-f




T-V



◆ 外形尺寸（mm）表

Dimension Lists (mm)

金属化聚丙烯膜抗干扰电容器 X2 (MPX/MKP) Metallized Polypropylene Film Capacitor, Class Type:X2-MPX/MKP			 产品图 Product image			
Cap Code	Cap Value uF	Part No	Dimensions(mm)			
			W max	T max	H max	P±0.5
310VAC						
222	0.0022	MP2222K3C10	12	4	9	10
272	0.0027	MP2272K3C10	12	4	9	10
332	0.0033	MP2332K3C10	12	4	9	10
392	0.0039	MP2392K3C10	12	4	9	10
472	0.0047	MP2472K3C10	12	4	9	10
562	0.0056	MP2562K3C10	12	4	9	10
682	0.0068	MP2682K3C10	12	4	9	10
822	0.0082	MP2822K3C10	12	4	9	10
103	0.01	MP2103K3C10	12	4	9	10
123	0.012	MP2123K3C10	12	4	9	10
153	0.015	MP2153K3C10	12	4	9	10
183	0.018	MP2183K3C10	12	4	9	10
223	0.022	MP2223K3C10	12	4	9	10
223	0.022	MP2223K3D10	18	5	11	15
273	0.027	MP2273K3C20	13	5	11	10
273	0.027	MP2273K3D10	18	5	11	15
333	0.033	MP2333K3C20	13	5	11	10
333	0.033	MP2333K3D10	18	5	11	15
393	0.039	MP2393K3C30	13	6	12	10
393	0.039	MP2393K3D10	18	5	11	15
473	0.047	MP2473K3C30	13	6	12	10
473	0.047	MP2473K3D10	18	5	11	15
563	0.056	MP2563K3C30	13	6	12	10
563	0.056	MP2563K3D10	18	5	11	15
683	0.068	MP2683K3C30	13	6	12	10
683	0.068	MP2683K3D10	18	5	11	15
823	0.082	MP2823K3C30	13	6	12	10
823	0.082	MP2823K3D10	18	5	11	15
104	0.1	MP2104K3C30	13	6	12	10
104	0.1	MP2104K3D20	18	6	12	15
124	0.12	MP2124K3D20	18	6	12	15



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154	0.15	MP2154K3D30	18	7.5	13.5	15
154	0.15	MP2154K3E10	26.5	6	15	22.5
184	0.18	MP2184K3D30	18	7.5	13.5	15
184	0.18	MP2184K3E10	26.5	6	15	22.5
224	0.22	MP2224KC510	13	7.8	13.8	10
224	0.22	MP2224K3D40	18	8.4	14.5	15
224	0.22	MP2224K3E20	26.5	7	16.5	22.5
274	0.27	MP2274K3D40	18	8.4	14.5	15
274	0.27	MP2274K3E20	26.5	7	16.5	22.5
334	0.33	MP2334K3D50	18	9.5	15.5	15
334	0.33	MP2334K3E30	26.5	8.5	17	22.5
394	0.39	MP2394K3D50	18	9.5	15.5	15
394	0.39	MP2394K3E40	26.5	10	19	22.5
404	0.4	MP2404K3D50	18	9.5	15.5	15
404	0.4	MP2404K3E40	26.5	10	19	22.5
474	0.47	MP2474K3DA0	18	10	15.8	15
474	0.47	MP2474K3E40	26.5	10	19	22.5
474	0.47	MP2474K3F10	31.5	10.8	19.5	27.5
564	0.56	MP2564K3D70	18	10.8	19	15
564	0.56	MP2564K3E50	26	11	20	22.5
564	0.56	MP2564K3F10	31.5	10.8	19.5	27.5
684	0.68	MP2684K3E60	26	12	21.5	22.5
684	0.68	MP2684K3F10	31.5	10.8	19.5	27.5
824	0.82	MP2824K3E60	26	12	21.5	22.5
824	0.82	MP2824K3F10	31.5	10.8	19.5	27.5
105	1	MP2105K3E60	26	12	21.5	22.5
105	1	MP2105K3F20	31.5	13	21.5	27.5
125	1.2	MP2125K3F30	31	13	21.5	27.5
125	1.2	MP2125K3TB0	38	14	23	31.5
155	1.5	MP2155K3F20	31	13	21.5	27.5
155	1.5	MP2155K3F40	32	16	25.5	27.5
185	1.8	MP2185K3F70	32	18	16	27.5
185	1.8	MP2185K3TA0	38	18	28	31.5
205	2	MP2205K3F70	32	18	26	27.5
205	2	MP2205K3TA0	38	18	28	31.5
225	2.2	MP2225K3F70	32	18	26	27.5
225	2.2	MP2225K3TD0	38	20	30	31.5
255	2.5	MP2255K3F80	32	22	31	27.5
255	2.5	MP2255K3TD0	38	20	30	31.5
275	2.7	MP2275K3F80	32	22	31	27.5
305	3	MP2305K3TC0	38.8	21.7	31.3	31.5
335	3.3	MP2335K3TC0	38.8	21.7	31.3	31.5



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405	4	MP2405K3TE0	48	22	32	41.5
475	4.7	MP2475K3TE0	48	22	32	41.5