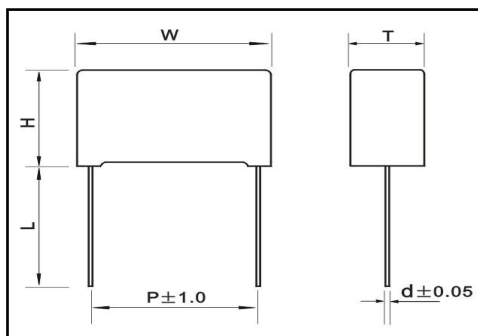


Safety Capacitor, Class Type:X2-MPX/MKP

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.

◆ Outline Drawing:



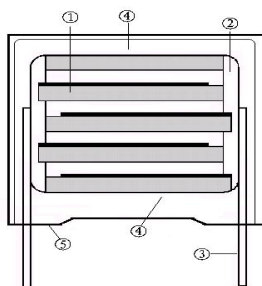
◆ Features:

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

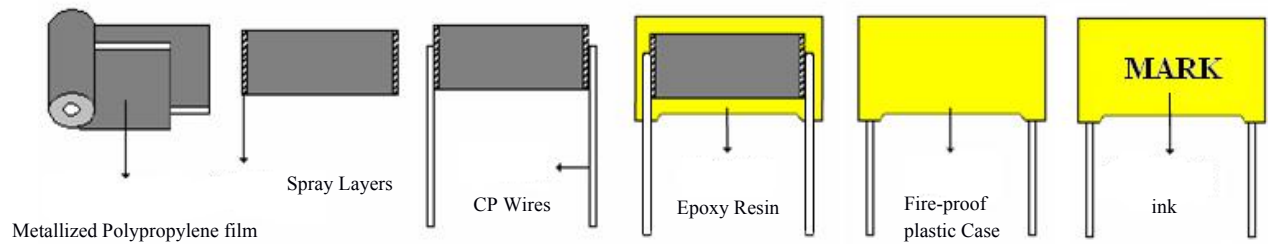
◆ Typical Applications:

- 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

◆ structure chart:



- ① Metallized Polypropylene
- ② film
- ③ Spray Layers
- ④ CP Wires
- ⑤ Epoxy Resin



◆ Safety Approvals

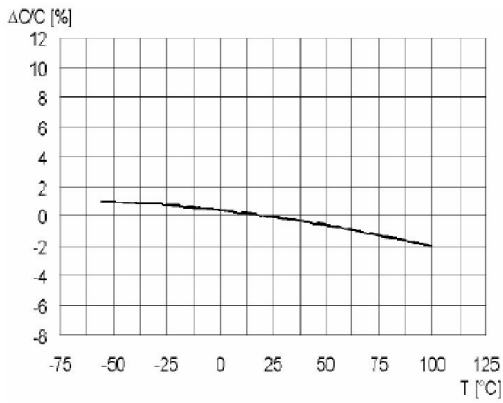


◆ Specification:

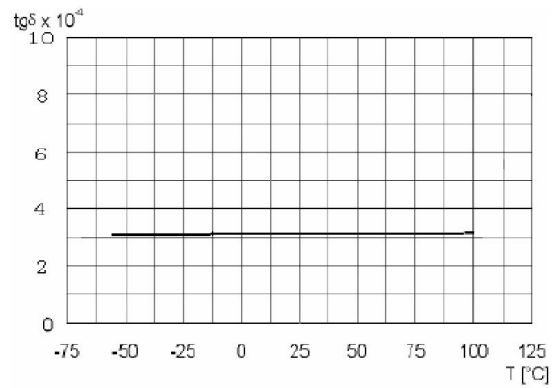
Reference Standards:	GB/T14472-2005(China)IEC60384-1 (International) EN132400,EN60384-14,UL1414,IEC60384-14
Rated Voltage(UR):	310VAC(UL)
Maximum Continuous DC Voltage	630VDC
Climate Category	40/110/56/B
Operation Temperature Range:	-40°C - +110°C
Capacitance Range:	0.0047μF-4.7μF
Capacitance Tolerance Range:	K(±10%)
Dielectric:	Polypropylene Film
(25°C±5°C)	≤0.15% (CR ≤ 1μF)
Dissipation Factor Tanδ:	≤0.3% (CR > 1μF) (25°C±5°C,10KHZ)
Insulation Resistance(Between Terminals):	100VDC, 1Min (20±5°C) C≤0.33μF ≥30000MΩ

	$C > 0.33\mu\text{F} \geq 10000$
	$M\Omega \cdot S$
Withstand Voltage:	Between Terminals $CR \leq 1.0\mu\text{F}$ 2000VDC(2S)
	$CR > 1.0\mu\text{F}$ 4.3URVDC(or 1800VDC)(2S)
	Between Terminals to Case 2100VAC

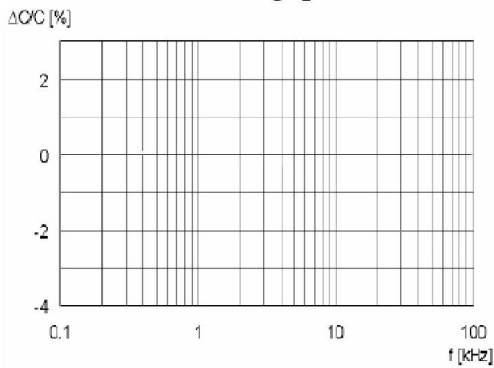
◆ Polypropylene film capacitor characteristic curve:



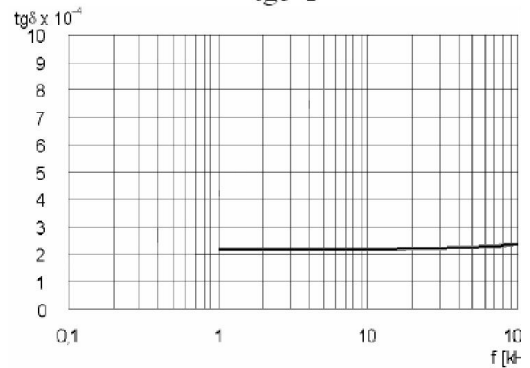
C-T



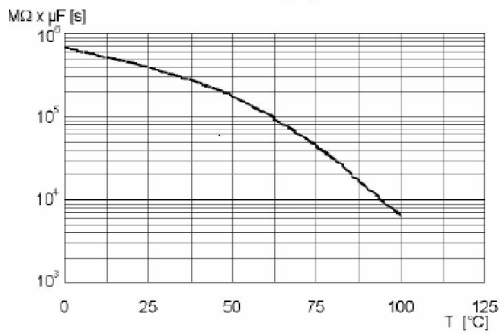
tgδ-T



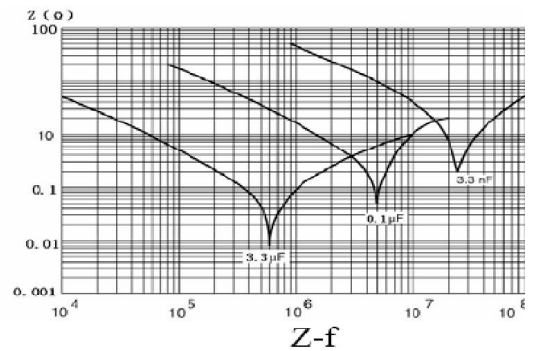
C-f



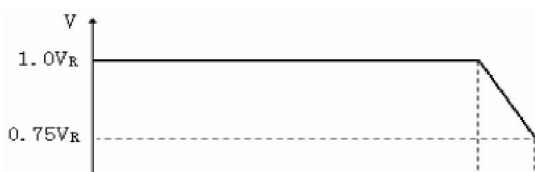
tgδ-f



R-T



Z-f



◆ **Dimension Lists (mm)**

**Metallized Polypropylene Film Capacitor,
Class Type:X2-MPX/MKP**



Cap Code	Cap Value uF	Part No	Dimensions(mm)			
			W max	T max	H max	P±0.5
310VAC						
222	0.0022	MPX222K3C20	13	5	11	10
272	0.0027	MPX272K3C20	13	5	11	10
332	0.0033	MPX332K3C20	13	5	11	10
392	0.0039	MPX392K3C20	13	5	11	10
472	0.0047	MPX472K3C20	13	5	11	10
562	0.0056	MPX562K3C20	13	5	11	10
682	0.0068	MPX682K3C20	13	5	11	10
822	0.0082	MPX822K3C20	13	5	11	10
103	0.01	MPX103K3C20	13	5	11	10
123	0.012	MPX123K3C20	13	5	11	10
153	0.015	MPX153K3C20	13	5	11	10
183	0.018	MPX183K3C20	13	5	11	10
223	0.022	MPX223K3C20	13	5	11	10
223	0.022	MPX223K3D10	18	5	11	15
273	0.027	MPX273K3C20	13	5	11	10
273	0.027	MPX273K3D10	18	5	11	15
333	0.033	MPX2333K3C20	13	5	11	10
333	0.033	MPX3333K3D10	18	5	11	15
393	0.039	MPX393K3C30	13	6	12	10

393	0.039	MPX393K3D10	18	5	11	15
473	0.047	MPX473K3C30	13	6	12	10
473	0.047	MPX473K3D10	18	5	11	15
563	0.056	MPX563K3C30	13	6	12	10
563	0.056	MPX563K3D10	18	5	11	15
683	0.068	MPX683K3C30	13	6	12	10
683	0.068	MPX683K3D10	18	5	11	15
823	0.082	MPX823K3C30	13	6	12	10
823	0.082	MPX823K3D10	18	5	11	15
104	0.1	MPX104K3C30	13	6	12	10
104	0.1	MPX104K3D20	18	6	12	15
124	0.12	MPX124K3D20	18	6	12	15
154	0.15	MPX154K3D30	18	7.5	13.5	15
154	0.15	MPX154K3E10	26.5	6	15	22.5
184	0.18	MPX184K3D30	18	7.5	13.5	15
184	0.18	MPX184K3E10	26.5	6	15	22.5
224	0.22	MPX224KC510	13	7.8	13.8	10
224	0.22	MPX224K3D20	18	6	12	15
224	0.22	MPX224K3D40	18	8.4	14.5	15
224	0.22	MPX224K3E20	26.5	7	16.5	22.5
274	0.27	MPX274K3D40	18	8.4	14.5	15
274	0.27	MPX274K3E20	26.5	7	16.5	22.5
334	0.33	MPX334K3D40	18	8.5	14.5	15
334	0.33	MPX334K3E30	26.5	8.5	17	22.5
394	0.39	MPX394K3D50	18	9.5	15.5	15
394	0.39	MPX394K3E40	26.5	10	19	22.5
404	0.4	MPX404K3D50	18	9.5	15.5	15
404	0.4	MPX404K3E40	26.5	10	19	22.5
474	0.47	MPX474K3D40	18	8.5	14.5	15
474	0.47	MPX474K3E40	26.5	10	19	22.5
474	0.47	MPX474K3F10	31.5	10.8	19.5	27.5
564	0.56	MPX564K3D70	18	10.8	19	15
564	0.56	MPX564K3E50	26	11	20	22.5
564	0.56	MPX564K3F10	31.5	10.8	19.5	27.5
684	0.68	MPX684K3D60	18	10	16	15
684	0.68	MPX684K3E60	26	12	21.5	22.5
684	0.68	MPX684K3F10	31.5	10.8	19.5	27.5
824	0.82	MPX824K3E60	26	12	21.5	22.5
824	0.82	MPX824K3F10	31.5	10.8	19.5	27.5
105	1	MPX105K3E60	26	12	21.5	22.5
105	1	MPX105K3F20	31.5	13	21.5	27.5
125	1.2	MPX125K3F30	31	13	21.5	27.5

125	1.2	MPX125K3TB0	38	14	23	31.5
155	1.5	MPX155K3F20	31	13	21.5	27.5
155	1.5	MPX155K3F40	32	16	25.5	27.5
185	1.8	MPX185K3F70	32	18	16	27.5
185	1.8	MPX185K3TA0	38	18	28	31.5
205	2	MPX205K3F70	32	18	26	27.5
205	2	MPX205K3TA0	38	18	28	31.5
225	2.2	MPX225K3F70	32	18	26	27.5
225	2.2	MPX225K3TD0	38	20	30	31.5
255	2.5	MPX255K3F80	32	22	31	27.5
255	2.5	MPX255K3TD0	38	20	30	31.5
275	2.7	MPX275K3F80	32	22	31	27.5
305	3	MPX305K3TC0	38.8	21.7	31.3	31.5
335	3.3	MPX335K3TC0	38.8	21.7	31.3	31.5
405	4	MPX405K3TE0	48	22	32	41.5
475	4.7	MPX475K3TE0	48	22	32	41.5