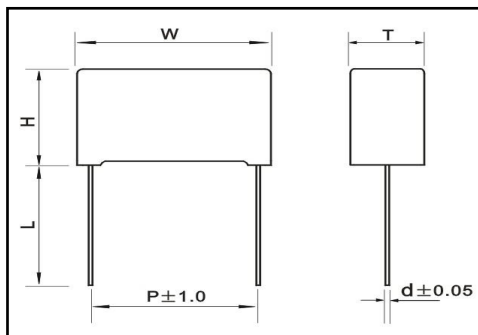


Metallized Polypropylene Film Capacitor, Class Type:X1-MPX/MKP

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:



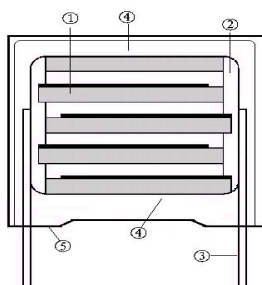
◆ Features:

- Box type provides the identical outer appearance.
- Withstanding overvoltage stressing.
- Excellent active and passive flame resistant abilities.
- Withstanding 3.0KV impulse voltage, Class X1.

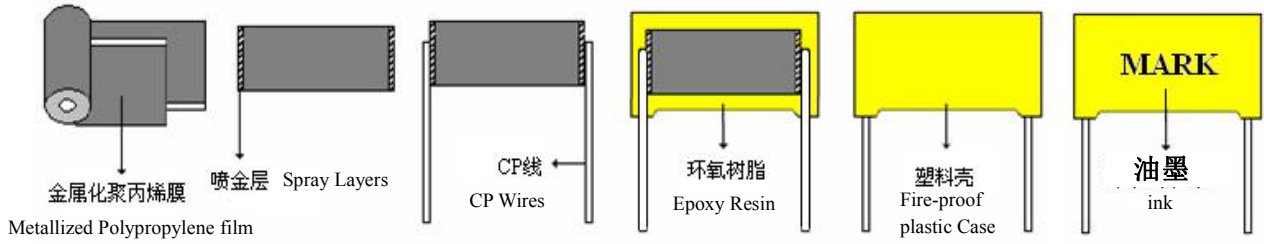
◆ Typical Applications:

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

◆ structure chart:



- ① Metallized Polypropylene film
- ② Spray Layers
- ③ CP Wires
- ④ Epoxy Resin
- ⑤ Fire-proof plastic Case



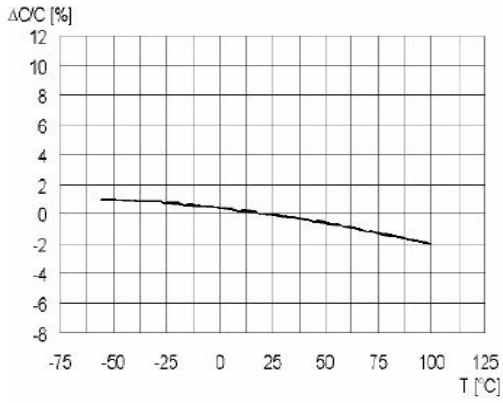
◆ **Safety Approvals**



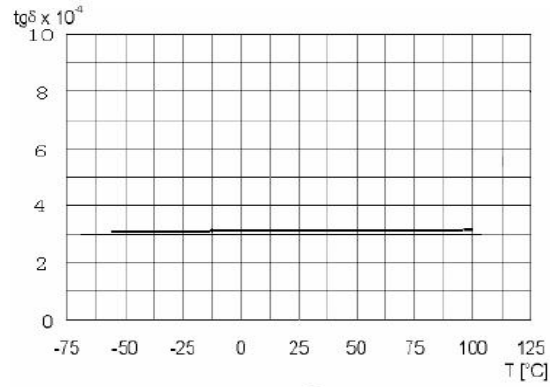
◆ **Specification:**

Reference Standards:	GB14472-2005,IEC60384-1,EN132400,EN60384-14,IEC60384-14
Rated Voltage(U _r):	300VAC
Maximum Continuous AC Voltage	330VAC
Maximum Continuous DC Voltage	800VDC
Operation Temperature Range:	-40°C - +110°C
Capacitance Range:	0.0022μF – 10uF (ENEC/VDE)
Capacitance Tolerance Range:	K(±10%); M (±20%)
Dielectric:	Polypropylene Film
(25°C±5°C) Dissipation Factor Tanδ:	≤0.15% (C _r ≤ 1μF) ≤0.3% (C _r > 1μF) (25°C±5°C,10KHZ)
Insulation Resistance (Between Terminals):	100VDC, 1Min (20±5°C) C≤0.33μF ≥30000MΩ C>0.33μF ≥10000 MΩ·S
Withstand Voltage:	Between Terminals C _r ≤1.0μF 3000VDC(1S) C _r >1.0μF 4.3U _r VDC(1S) Between Terminals to Case 2500VAC (60S)
Life. Test Conditions:	100±2°C, 1.25U _r , 1,000Hours Capacitance Drift: ≤±3% Of the initial value Dissipation Factor ≤0.06% Of increased value

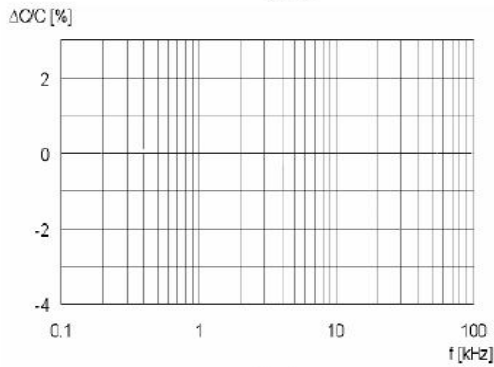
◆ Polypropylene film capacitor characteristic curve:



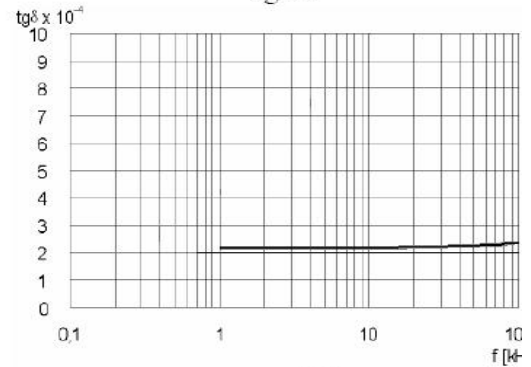
C-T



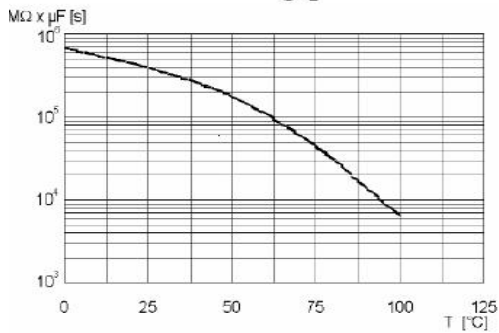
tgδ-T



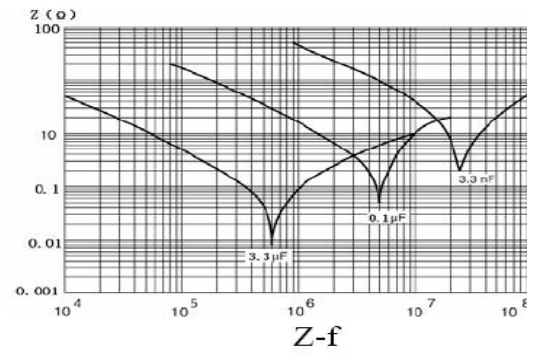
C-f



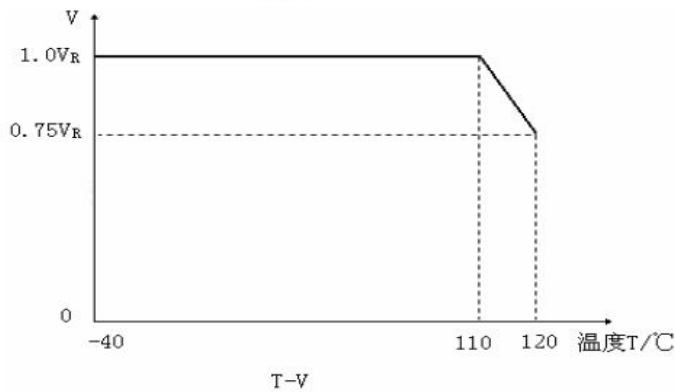
tgδ-f



R-T



Z-f



T-V

◆ Dimension Lists (mm)

Cap Code		Part No.		Dimensions (mm)			
				W±0.5	T ±0.5	H±0.5	P±0.5
300VAC							
222	222X1K300V	18	11	5	15		
272	272X1K300V	18	11	5	15		
332	332X1K300V	18	11	5	15		
392	392X1K300V	18	11	5	15		
472	472X1K300V	13	11	5	10		
472	562X1K300V	18	11	5	15		
562	562X1K300V	18	11	5	15		
682	682X1K300V	18	11	5	15		
822	822X1K300V	18	11	5	15		
103	103X1K300V	13	11	5	10		
103	103X1K300V	18	11	5	15		
123	123X1K300V	18	11	5	15		
153	153X1K300V	18	11	5	15		
183	183X1K300V	18	11	5	15		
223	223X1K300V	18	12	6	15		
273	273X1K300V	18	13.5	7.5	15		
333	333X1K300V	18	13.5	7.5	15		
393	393X1K300V	18	13.5	7.5	15		
473	473X1K300V	13	11	5	10		
473	473X1K300V	18	14.5	8.5	15		
563	563X1K300V	18	15.5	9.5	15		
683	683X1K300V	18	11	5	15		
683	683X1K300V	26.5	16.5	7	22.5		
823	823X1K300V	18	11	5	10		
823	823X1K300V	26.5	17	8.5	22.5		
104	104X1K350V	13	12	6	10		
104	104X1K330V	18	11	5	15		
104	104X1K300V	26.5	17	8.5	22.5		



124	124X1K300V	26.5	19	10	22.5
154	154X1K330V	18	13.5	6	15
154	154X1K300V	26.5	20	11	22.5
184	184X1K300V	26.5	22	12	22.5
184	184X1K300V	31.5	20	11	27.5
204	204X1K300V	26.5	22	12	22.5
204	204X1K300V	31.5	20	11	27.5
224	224X1K300V	17	15.5	5.5	15
224	224X1K300V	26.5	22	12	22.5
224	224X1K300V	31.5	20	11	27.5
274	274X1K300V	26.5	23	14	22.5
274	274X1K300V	31.5	22	13	27.5
334	334X1K300V	17	16.5	9.5	15
334	334X1K300V	26.5	19	10	22.5
334	334X1K300V	31.5	25	14	27.5
394	394X1K300V	31.5	25	14	27.5
474	474X1K300V	17	19	11	15
474	474X1K300V	26.5	22	12	22.5
474	474X1K300V	32	25.5	16	27.5
564	564X1K300V	26.5	19	10	22.5
564	564X1K300V	31	26	18	27.5
684	684X1K300V	26.5	19	10	22.5
684	684X1K300V	38	28	18	31.5
824	824X1K300V	31.5	20	11	27.5
824	824X1K300V	38	30	20	31.5
105	105X1K300V	25	23.5	14	22.5
105	105X1K300V	31.5	21.5	11.5	27.5
105	105X1K300V	48	30	20	41
125	125X1K300V	31.5	25	14	27.5
125	125X1K300V	48	30	20	41
155	155X1K300V	31.5	25	14	27.5
155	155X1K300V	48	37	25	41
185	185X1K300V	48	37	25	41
205	205X1K300V	48	37	25	41
225	225X1K300V	38	28	18	31.5
225	225X1K300V	58	43	33	51
255	225X1K300V	58	43	33	51
275	275X1K300V	38	28	18	31.5
275	275X1K300V	58	43	33	51
305	305X1K300V	58	43	33	51
335	335X1K300V	37	34	22	31.5
335	335X1K300V	58	43	33	51

395	395X1K300V	51	27.5	17	47.5
395	395X1K300V	58	43	33	51
405	504X1K300V	58	43	33	51
455	455X1K300V	58	43	33	51
475	475X1K300VA	50	22	32	44.5
475	475X1K300VB	51	30.5	20	47.5
475	475X1K300VC	58	43	33	51
565	565X1K300V	51	34	22.5	47.5
685	685X1K300V	51	34	22.5	47.5
755	755X1K300V	51	37	24	47.5
825	825X1K300V	51	37	24	47.5
106	106X1K300V	51	43.5	29	47.5