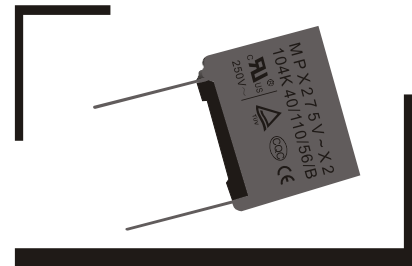


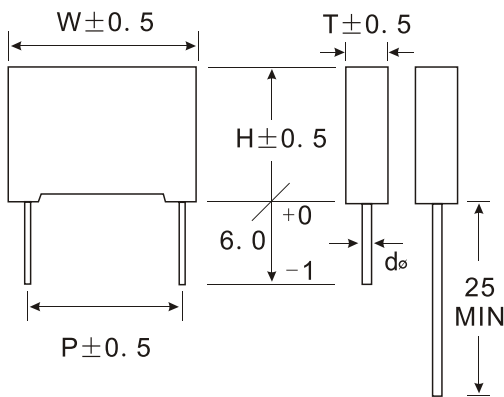
# MPX Series X2 Class Polypropylene Film capacitor

## Feature

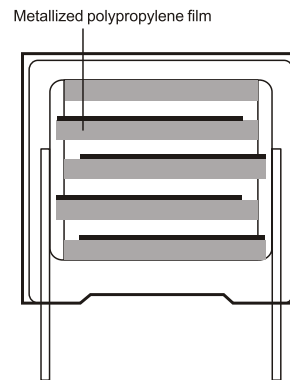
- ✘ Excellent self-healing properties ensure long life even when subjected to frequent overvoltage
- ✘ Good resistance to ionization due to impregnated dielectric
- ✘ Self-extinguishing UL 94V-0 encapsulation material, high dv/dt capability
- ✘ Excellent active and passive flame resistant abilities
- ✘ Widely used in interference suppression in X2 (across-the-line) application



## Outline Drawing:



## Winding Constructions:



## Technical Data :

Class:	X2(250/275VAC)	
Climatic category/passive Flammability class:	40/110/56/B	
Operating temperature range	-40°C ~ +110°C	
Rated Voltage:	250/275VAC(50~60HZ)	
Capacitance Range:	0.001 μF ~ 4.7 μF	
Capacitance Tolerance:	10%(K), ±20%(M)	
Withstanding Voltage:	a) Between Terminals..	2000VDC(2s) $C_R \leq 1.0 \mu F$ 1800VDC(2s) $C_R > 1.0 \mu F$
	b) Between Terminals and Case	2110V.AC, 60s at 60Hz.
Insulation Resistance:	$\geq 15\ 000M\Omega$ , $C_R \leq 0.33 \mu F$ $\geq 5\ 000s$ , $C_R > 0.33 \mu F$	(20°C, 100V, 1min)
Dissipation Factor:	$0.0010 \mu F \leq C_R \leq 0.47 \mu F$	$\leq 10 \times 10^{-4}$ (1kHz, 20°C)
	$0.47 \mu F < C_R \leq 1.0 \mu F$	$\leq 20 \times 10^{-4}$ (1kHz, 20°C)
	$C_R > 1.0 \mu F$	$\leq 30 \times 10^{-4}$ (1kHz, 20°C)



### Dimensions(In mm)

X2 Class 250/275VAC						X2 Class 250/275VAC						X2 Class 250/275VAC					
(MF)	W	H	T	P	d	(MF)	W	H	T	P	d	(uF)	W	H	T	P	d
0.001	10.5	9.0	4.0	7.5	0.6	0.010	17.5	11.0	5.0	15.0	0.8	0.47	32.0	18.0	9.0	27.5	0.8
0.0012	10.5	9.0	4.0	7.5	0.6	0.012	17.5	11.0	5.0	15.0	0.8	0.56	32.0	18.0	9.0	27.5	0.8
0.0015	10.5	9.0	4.0	7.5	0.6	0.015	17.5	11.0	5.0	15.0	0.8	0.68	32.0	18.0	9.0	27.5	0.8
0.0018	10.5	9.0	4.0	7.5	0.6	0.018	17.5	11.0	5.0	15.0	0.8	0.82	32.0	20.0	11.0	27.5	0.8
0.0022	10.5	9.0	4.0	7.5	0.6	0.022	17.5	11.0	5.0	15.0	0.8	1.0	32.0	20.0	11.0	27.5	0.8
0.0027	10.5	9.0	4.0	7.5	0.6	0.027	17.5	11.0	5.0	15.0	0.8	1.2	32.0	22.0	13.0	27.5	0.8
0.0033	10.5	9.0	4.0	7.5	0.6	0.033	17.5	11.0	5.0	15.0	0.8	1.5	32.0	22.0	13.0	27.5	0.8
0.0039	10.5	9.0	4.0	7.5	0.6	0.039	17.5	11.0	5.0	15.0	0.8	1.8	32.0	24.5	15.0	27.5	0.8
0.0047	10.5	9.0	4.0	7.5	0.6	0.047	17.5	11.0	5.0	15.0	0.8	2.2	32.0	28.0	14.0	27.5	0.8
0.0056	10.5	9.0	4.0	7.5	0.6	0.056	17.5	11.0	5.0	15.0	0.8	2.7	32.0	33.0	18.0	27.5	0.8
0.0068	10.5	9.0	4.0	7.5	0.6	0.068	17.5	11.0	5.0	15.0	0.8	3.3	32.0	33.0	18.0	27.5	0.8
0.0082	10.5	9.0	4.0	7.5	0.6	0.082	17.5	11.0	5.0	15.0	0.8	3.9	32.0	37.0	22.0	27.5	0.8
0.010	10.5	9.0	4.0	7.5	0.6	0.10	17.5	11.0	5.0	15.0	0.8	4.7	32.0	37.0	22.0	27.5	0.8
0.012	10.5	9.0	4.0	7.5	0.6	0.12	17.5	12.0	6.0	15.0	0.8	1.8	41.0	26.0	12.0	37.5	1.0
0.015	10.5	9.0	4.0	7.5	0.6	0.15	17.5	12.0	6.0	15.0	0.8	2.2M	41.0	26.0	12.0	37.5	1.0
0.018	10.5	9.0	4.0	7.5	0.6	0.18	17.5	13.5	7.5	15.0	0.8	2.2K	41.0	28.0	14.0	37.5	1.0
0.022	10.5	9.0	4.0	7.5	0.6	0.22	17.5	13.5	7.5	15.0	0.8	2.7	41.0	28.0	14.0	37.5	1.0
0.027	10.5	11.0	5.0	7.5	0.6	0.27	17.5	14.5	8.5	15.0	0.8	3.3	41.0	30.0	16.0	37.5	1.0
0.033	10.5	11.0	5.0	7.5	0.6	0.33	17.5	16.0	10.0	15.0	0.8	3.9	41.0	32.0	17.0	37.5	1.0
0.039	10.5	12.0	6.0	7.5	0.6	0.47	17.5	19.0	11.0	15.0	0.8	4.7	41.0	33.5	18.5	37.5	1.0
0.047	10.5	12.0	6.0	7.5	0.6	0.15	26.5	15.0	6.0	22.5	0.8						
0.0047	13.0	9.0	4.0	10.0	0.6	0.18	26.5	15.0	6.0	22.5	0.8						
0.0056	13.0	9.0	4.0	10.0	0.6	0.22	26.5	15.0	6.0	22.5	0.8						
0.0068	13.0	9.0	4.0	10.0	0.6	0.27	26.5	16.0	7.0	22.5	0.8						
0.0082	13.0	9.0	4.0	10.0	0.6	0.33	26.5	16.0	7.0	22.5	0.8						
0.010	13.0	9.0	4.0	10.0	0.6	0.39	26.5	17.0	8.5	22.5	0.8						
0.012	13.0	9.0	4.0	10.0	0.6	0.47	26.5	17.0	8.5	22.5	0.8						
0.015	13.0	9.0	4.0	10.0	0.6	0.56	26.5	18.5	10.0	22.5	0.8						
0.018	13.0	9.0	4.0	10.0	0.6	0.68	26.5	18.5	10.0	22.5	0.8						
0.022	13.0	9.0	4.0	10.0	0.6	0.82	26.5	22.0	12.0	22.5	0.8						
0.027	13.0	9.0	4.0	10.0	0.6	1.0	26.5	22.0	12.0	22.5	0.8						
0.033	13.0	11.0	5.0	10.0	0.6	1.2	26.5	24.5	15.5	22.5	0.8						
0.047	13.0	11.0	5.0	10.0	0.6	1.5	26.5	24.5	15.5	22.5	0.8						
0.056	13.0	11.0	5.0	10.0	0.6												
0.068	13.0	12.0	6.0	10.0	0.6												
0.082	13.0	12.0	6.0	10.0	0.6												
0.10	13.0	12.0	6.0	10.0	0.6												

SUMEC

