

MPX/X2 Metallized Polypropylene Film Interference Suppresion Capacitors (Class X2) Data Sheet

Feature

- ■Wide capacitance range from 0.001uF to 2.2uF.
- Operating Temperature: -40° C \sim 110 $^{\circ}$ C.
- ■Storage Temperature: 15°C~35°C.
- ■Withstanding over-voltage stressing.
- Excellent active and passive flame resistant abilities (UL94V-0).

Applications

■Widely used in across-the-line,interference suprression circuit.ect.

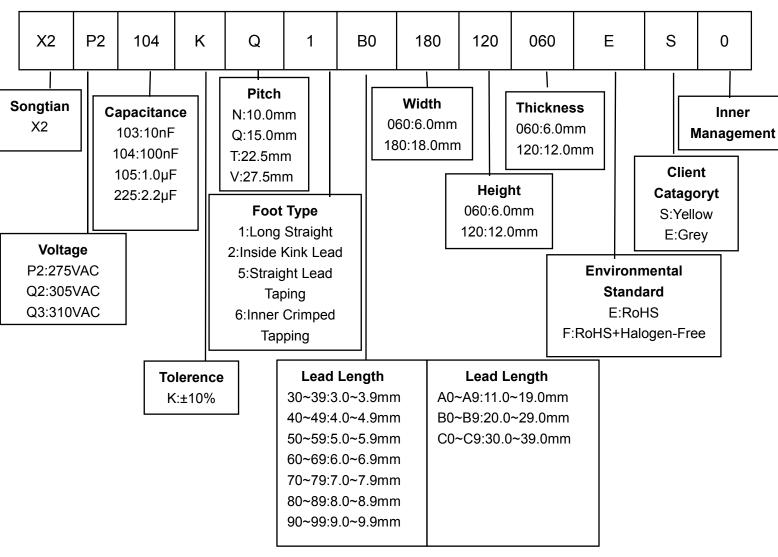
Applicable Standard

	Approval		Safety Standards	Certificate No.	
USA Canada	c AL °us	UL/CUL	UL60384	E208107	
Germany	DVE	VDE	EN60384-14	40034679	
EU	3	ENEC	EN60384-14	40034679	
				SU03031-12001	
Korea		KTL	K60384	SU03031-12002	
Rolea		KIL .		SU03031-12003	
				SU03031-12004	
China	Cec	cqc	GB/T 6346.14-2015	CQC08001024360	
IEC	СВ	IEC-CB	IEC60384-14	CN11932	

Revision: 2018-04-29 1 Email: info@songtian.cn Website: http://www.songtian-ste.com



Part Number Code



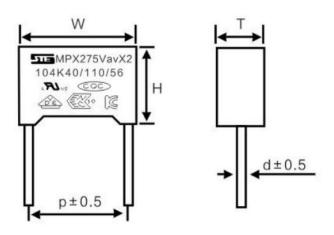
Specifications

Revision: 2018-04-29

Climatic Category	40/110/56			
Rated Voltage	275VAC、305VAC、310VAC			
Dissipation Factor(tanδ)	≤0.1%			
Withstand Voltage	Between terminals to case: 2U _R +1500VAC Minimum of 2000VAC			
, and the second	Between terminals:4.3U _R (DC)/5S			
	C _R ≤0.33μF, IR≥15000MΩ			
Insulation Resistance (I.R.)	C _R >0.33µF, IR≥6000S			
	Note: T[s]=I.R.[MΩ]*CN [μF] 20°C、100V、60S			



Dimensions (mm) and Approval



		Size (mm)				
Capacitance (uF)	Rated Voltage	W±0.5	H±0.5	T±0.5	P±1.0	d±0.05
	275VAC	13.0	11.0	5.0	10.0	0.6
0.001	305VAC	13.0	11.0	5.0	10.0	0.6
	310VAC	13.0	11.0	5.0	10.0	0.6
	275VAC	13.0	11.0	5.0	10.0	0.6
0.0022	305VAC	13.0	11.0	5.0	10.0	0.6
	310VAC	13.0	11.0	H±0.5 T±0.5 P±1.0 11.0 5.0 10.0 11.0 5.0 10.0 11.0 5.0 10.0 11.0 5.0 10.0 11.0 5.0 10.0 11.0 5.0 10.0	0.6	
	275VAC	13.0	11.0	5.0	10.0	0.6
0.0033	305VAC	13.0	11.0	5.0	10.0	0.6
	310VAC	13.0	11.0	5.0	10.0	0.6
	275VAC	13.0	11.0	5.0	10.0	0.6
0.0039	305VAC	13.0	11.0	5.0	10.0	0.6
	310VAC	13.0	11.0	5.0	10.0	0.6
	275VAC	13.0	11.0	5.0	10.0	0.6
0.0047	305VAC	13.0	11.0	5.0	10.0	0.6
	310VAC	13.0	11.0	5.0	10.0	0.6
	275VAC	13.0	11.0	5.0	10.0	0.6
0.01	305VAC	13.0	11.0	5.0	10.0	0.6
	310VAC	13.0	11.0	5.0	10.0	0.6
	275VAC	13.0	11.0	5.0	10.0	0.6
0.022	305VAC	13.0	11.0	5.0	10.0	0.6
	310VAC	13.0	11.0	5.0	10.0	0.6
	275VAC	13.0	11.0	5.0	10.0	0.6
0.033	305VAC	13.0	11.0	5.0	10.0	0.6
	310VAC	13.0	11.0	5.0	10.0	0.6



		Size (mm)					
Capacitance (uF)	Rated Voltage	W±0.5	H±0.5	T±0.5	P±1.0	d±0.05	
	275VAC	13.0	11.0	5.0	10.0	0.6	
0.047	305VAC	13.0	11.0	5.0	10.0	0.6	
	310VAC	13.0	11.0	5.0	10.0	0.6	
	275VAC	13.0	12.0	6.0	10.0	0.6	
0.068	305VAC	13.0	12.0	6.0	10.0	0.6	
	310VAC	13.0	12.0	6.0	10.0	0.6	
	275VAC	13.0	12.0	6.0	10.0	0.6	
0.082	305VAC	13.0	12.0	6.0	10.0	0.6	
	310VAC	13.0	12.0	6.0	10.0	0.6	
	275VAC	13.0	12.0	6.0	10.0	0.6	
0.1	305VAC	13.0	12.0	6.0	10.0	0.6	
	310VAC	13.0	12.0	6.0	10.0	0.6	
0.15	275VAC	13.0	12.0	6.0	10.0	0.6	
0.22	275VAC	13.0	15.0	8.0	10.0	0.6	
	275VAC	18.0	11.0	5.0	15.0	0.8	
0.033	305VAC	18.0	11.0	5.0	15.0	0.8	
	310VAC	18.0	11.0	5.0	15.0	0.8	
	275VAC	18.0	11.0	5.0	15.0	0.8	
0.047	305VAC	18.0	11.0	5.0	15.0	0.8	
	310VAC	18.0	11.0	5.0	15.0	0.8	
	275VAC	18.0	11.0	5.0	15.0	0.8	
0.068	305VAC	18.0	11.0	5.0	15.0	0.8	
	310VAC	18.0	11.0	5.0	15.0	0.8	
	275VAC	18.0	12.0	6.0	15.0	0.8	
0.082	305VAC	18.0	12.0	6.0	15.0	0.8	
	310VAC	18.0	12.0	6.0	15.0	0.8	
	275VAC	18.0	12.0	6.0	15.0	0.8	
0.1	305VAC	18.0	12.0	6.0	15.0	0.8	
	310VAC	18.0	12.0	6.0	15.0	0.8	
	275VAC	18.0	12.0	6.0	15.0	0.8	
0.15	305VAC	18.0	12.0	6.0	15.0	0.8	
	310VAC	18.0	12.0	6.0	15.0	0.8	
	275VAC	18.0	14.5	8.5	15.0	0.8	
0.22	305VAC	18.0	14.5	8.5	15.0	0.8	
	310VAC	18.0	14.5	8.5	15.0	0.8	



		Size (mm)				
Capacitance (uF)	Rated Voltage	W±0.5	H±0.5	T±0.5	P±1.0	d±0.05
	275VAC	18.0	14.5	8.5	15.0	0.8
0.33	305VAC	18.0	16.0	10.0	15.0	0.8
	310VAC	18.0	16.0	10.0	15.0	0.8
	275VAC	18.0	16.0	10.0	15.0	0.8
0.47	305VAC	18.0	16.0	10.0	15.0	0.8
	310VAC	18.0	16.0	10.0	15.0	0.8
	275VAC	18.0	16.0	10.0	15.0	0.8
0.56	305VAC	18.0	16.0	10.0	15.0	0.8
	310VAC	18.0	16.0	10.0	15.0	0.8
	275VAC	18.0	19.0	11.0	15.0	0.8
0.68	305VAC	18.0	19.0	11.0	15.0	0.8
	310VAC	18.0	19.0	11.0	15.0	0.8
	275VAC	26.5	16.5	7.0	22.5	0.8
0.22	305VAC	26.5	16.5	7.0	22.5	0.8
	310VAC	26.5	16.5	7.0	22.5	0.8
	275VAC	26.5	16.5	7.0	22.5	0.8
0.27	305VAC	26.5	16.5	7.0	22.5	0.8
	310VAC	26.5	16.5	7.0	22.5	0.8
	275VAC	26.5	17.0	8.5	22.5	0.8
0.33	305VAC	26.5	17.0	8.5	22.5	0.8
	310VAC	26.5	17.0	8.5	22.5	0.8
	275VAC	26.5	19.0	10.0	22.5	0.8
0.47	305VAC	26.5	19.0	10.0	22.5	0.8
	310VAC	26.5	19.0	10.0	22.5	0.8
	275VAC	26.5	19.0	10.0	22.5	0.8
0.56	305VAC	26.5	19.0	10.0	22.5	0.8
	310VAC	26.5	19.0	10.0	22.5	0.8
	275VAC	26.5	17.0	8.5	22.5	0.8
0.68	305VAC	26.5	17.0	8.5	22.5	0.8
	310VAC	26.5	17.0	8.5	22.5	0.8
	275VAC	26.5	19.0	10.0	22.5	0.8
0.82	305VAC	26.5	19.0	10.0	22.5	0.8
	310VAC	26.5	19.0	10.0	22.5	0.8
	275VAC	26.5	17.0	8.5	22.5	0.8
1.0	305VAC	26.5	20.0	11.0	22.5	0.8
	310VAC	26.5	20.0	11.0	22.5	0.8



		Size (mm)				
Capacitance (uF)	Rated Voltage	W±0.5	H±0.5	T±0.5	P±1.0	d±0.05
	275VAC	26.5	19.0	10.0	22.5	0.8
1.2	305VAC	26.5	22.0	12.5	22.5	0.8
	310VAC	26.5	22.0	12.5	22.5	0.8
	275VAC	26.5	20.0	11.0	22.5	0.8
1.5	305VAC	26.5	22.0	12.5	22.5	0.8
	310VAC	26.5	22.0	12.5	22.5	0.8
	275VAC	32.0	20.0	11.0	27.5	0.8
0.68	305VAC	32.0	20.0	11.0	27.5	0.8
	310VAC	32.0	20.0	11.0	27.5	0.8
	275VAC	32.0	20.0	11.0	27.5	0.8
0.82	305VAC	32.0	20.0	11.0	27.5	0.8
	310VAC	32.0	20.0	11.0	27.5	0.8
	275VAC	32.0	20.0	11.0	27.5	0.8
1.0	305VAC	32.0	20.0	11.0	27.5	0.8
	310VAC	32.0	20.0	11.0	27.5	0.8
	275VAC	32.0	20.0	11.0	27.5	0.8
1.2	305VAC	32.0	20.0	11.0	27.5	0.8
	310VAC	32.0	20.0	11.0	27.5	0.8
	275VAC	32.0	22.0	13.0	27.5	0.8
1.5	305VAC	32.0	22.0	13.0	27.5	0.8
	310VAC	32.0	22.0	13.0	27.5	0.8
	275VAC	32.0	22.0	13.0	27.5	0.8
2.0	305VAC	32.0	25.0	14.0	27.5	0.8
	310VAC	32.0	25.0	14.0	27.5	0.8
	275VAC	32.0	22.0	13.0	27.5	0.8
2.2	305VAC	32.0	25.0	14.0	27.5	0.8
	310VAC	32.0	25.0	14.0	27.5	0.8

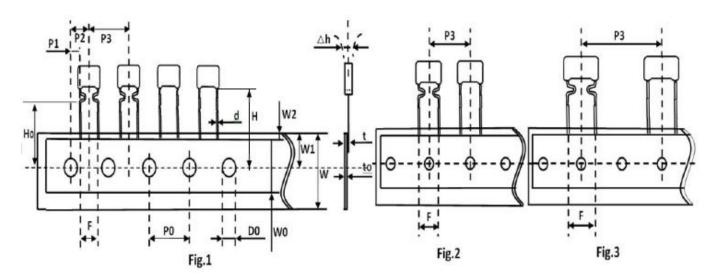


Lead Configuration

Lead Style	Drawing	Lead Length L (mm)	Coating Lead Length H1(mm)	
Long Straight	W T T d#40.05	①[2.5≤L<6.0]+/-0.5; ②[6.0≤L≤10]+/-1.0	/	
Inner Crimped	H11 d=±0.05	①[2.5≤L<6.0]+/-0.5; ②[6.0≤L≤10]+/-1.0	Pitch P>10mm:H1<6.0mm Pitch P≤10mm:H1<5.0mm	



Taping And Dimensions (mm)



Symbol	Fig.1	Fig.2	Fig.2	Fig.3	Fig.3	T.1
	P=5.0	P=7.5	P=10	P=15	P=20/22.5	Tolerance
P3	12.7	12.7	12.7	25.4	30.0	±1.0
P2	6.35	/	1	1	1	±1.3
P0	12.7	12.7	12.7	12.7	15.0	±0.3
P1	3.85	/	/	/	/	±0.7
F	5.0	7.5	10.0	15.0	20.0/22.5	±1.0
Н	20.0	20.0	20.0	20.0	20.0	±1.0
H0	16.5	16.5	16.5	16.5	16.5	±0.5
Δh	0	0	0	0	0	±2.0
W	18.0	18.0	18.0	18.0	18.0	+1.0/-0.5
W0	12.0	12.0	12.0	12.0	12.0	±1.0
W1	9.0	9.0	9.0	9.0	9.0	±0.5
W2	3.0	3.0	3.0	3.0	3.0	Max
D0	4.0	4.0	4.0	4.0	4.0	±0.3
d	0.5	0.6	0.6	0.8	0.8	±0.05
t	1.0	1.1	1.1	1.4	1.4	±0.2
t0	0.38	0.38	0.38	0.47	0.47	±0.04