

for interference Suppression and Across-The-Line, Class X2

Feature

X series is self-healing flat style capacitor, which is wound with poly ropylene film dielectric, flame retardant, plastic case and epoxy resin end seal. Following styles belong to this series:

S=Tinned copper clad steel wire radial leads.

P=UL 1015 or 1017 AWG#20~22 solid PVC insulation wire radial leads.

X series is especially designed for radio interference suppression and across-the-line capacitors in:

- (1)Business machine's appliance, such as typewriter, computer display and monitor.
- (2)Household appliance, such as mixer, fan, coffee grinder, audio and TV circuit.
- (3)Thyristor and triac appliance, such as dimmer, power supply.

Climate category	In accordance with DIN40040 GPF			
Voltage Range	250V.(UL.CSA)/275V.AC,50~60Hz			
Capacitance Range	0.0047-1.00uF			
Capacitance Tolerance	J(±5%), K(±10%), M(±20%)			
Withstand Voltage	1,200V.AC(60Hz)for 60 sec. or 2,100V.DC for 1 sec.			
Dissipation Factory	≤ 0.1% at 1 K Hz and 20°C ≤ 0.3% at 10 K Hz and 20°C			
Insulation Resistance (between terminals)	\ge 3x10 ⁴ MΩ for C≤0.33uF ≥ 1x10 ⁴ MΩ / uF for C>0.33uf			

Specifications

G(Minimum Limit Temperature)=-40°C

M(Maximum Limit Temperature)=+100°C

F(Humidty Category)=average relative humidity \$75%

95% for 30 days per year continuously

85% for the ramining days occasionally

 $J=\pm5\%$, $K=\pm10\%$, $M=\pm20\%$

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2501~	2750	GMF
IEC60	384-	14 T
10000		1.4.11

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Polypropylene Fime Capacitors

Metallized

X Serise X2 Metallized Polypropylene Film Capaciyors

All dimension are in mm

High Quality Class X₂

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	Deted Can	Dimension					
Part number	Rated Cap	T(max)	H(max)	W(max)	P±0.5	D±0.05	
HQX103 275F SNY	0.01uF	5.0	11.0	12.0	10.0	0.6	
HQX123 275F SNY	0.012uF	5.0	11.0	12.0	10.0	0.6	
HQX153 275F SNY	0.015uF	5.0	11.0	12.0	10.0	0.6	
HQX183 275F SNY	0.018uF	5.0	11.0	12.0	10.0	0.6	
HQX223 275F SNY	0.022uF	5.0	11.0	12.0	10.0	0.6	
HQX273 275F SNY	0.027uF	5.0	11.0	12.0	10.0	0.6	
HQX333 275F SNY	0.033uF	5.0	11.0	12.0	10.0	0.6	
HQX473 275F SNY	0.047uF	5.0	11.0	12.0	10.0	0.6	
HQX563 275F SNY	0.056uF	5.0	11.0	12.0	10.0	0.6	
HQX683 275F SNY	0.068uF	5.0	11.0	12.0	10.0	0.6	
HQX823 275F SNY	0.082uF	5.0	11.0	12.0	10.0	0.6	
HQX104 275F SNY	0.1uF	6.0	12.0	12.0	10.0	0.6/0.8	
HQX104 2751 SNY	0.1uF	5.0	11.0	17.0	15.0	0.8	
HQX154 275F SNY	0.15uF	8.5	16.0	12.0	10.0	0.6	
HQX154 2751 SNY	0.15uF	6.0	12.0	17.0	15.0	0.8	
HQX224 275F SNY	0.22uF	8.5	16.3	12.0	10.0	0.6	
HQX224 2751 SNY	0.22uF	6.0	14.0	17.0	15.0	0.8	
HQX224 275N SNY	0.22uF	6.0	14.5	25.0	22.5	0.8	
HQX334 2751 SNY	0.33uF	7.5	15.5	17.0	15.0	0.8	
HQX334 275N SNY	0.33uF	6.0	14.5	25.0	22.5	0.8	
HQX394 275N SNY	0.39uF	8.5	16.5	17.0	15.0	0.8	
HQX394 275N SNY	0.47uF	8.5	18.0	17.0	15.0	0.8	
HQX474 2751 SNY	0.47uF	10.3	16.0	17.0	15.0	0.8	
HQX474 275N SNY	0.47uF	7.0	16.5	25.0	22.5	0.8	
HQX474 275R SNY	0.47uF	7.5	16.5	30.0	27.5	0.8	
HQX564 2751 SNY	0.56uF	11.0	19.0	17.0	15.0	0.8	
HQX684 2751 SNY	0.68uF	11.0	19.0	18.0	15.0	0.8	
HQX684 275N SNY	0.68uF	8.5	17.0	25.0	22.5	0.8	
HQX684 275R SNY	0.68uF	7.5	16.5	30.0	27.5	0.8	
HQX824 275N SNY	0.82uF	10.0	19.0	25.0	22.5	0.8	
HQX824 275R SNY	0.82uF	10.5	18.0	30.0	27.5	0.8	
HQX105 275N SNY	1.0uF	10.0	19.0	25.0	22.5	0.8	
HQX105 275R SNY	1.0uF	10.5	18.0	30.0	27.5	0.8	

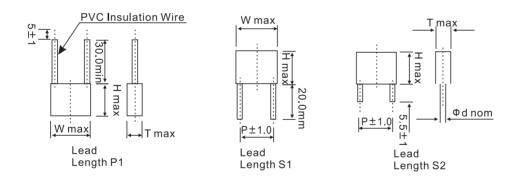


X Serise X2 Metallized Polypropylene Film Capaciyors

• Approval Data

Country	Specifications	File and Ref.No.				
CUL	UL-1414	E183780				
VDE/ENEC	EN60384-14	40024534				
CQC	GB/T14472-1998	CQC03001003067				
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• Diagram of Dimensions(unit=mm)



• Pitch and lead Dimensions(mm)

W	12.0	13.0	17.0	18.0	25.0	26.5	30.0	31.5	37.5
Р	10.0	10.0	15.0	15.0	22.5	22.5	27.5	27.5	32.5
ΦD	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8

Wire Size: AWG#22 for=18.0mm AWG#20 for≥26.5mm Chip Type SMD

Miniature Type

General Purpose

High Frequency Low Impedance

High Voltage High Reliability

Non-polar Type

Large Size Snap-in

Large Size Screw X2 Metallized Polypropylene Film Capacitors

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X Serise X2 Metallized Polypropylene Film Capaciyors

• Temperature and Fequency Characteristice

