

X Series

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



Feature

X series is self-healing flat style capacitor, which is wound with polypropylene 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.

Specifications

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($\pm 5\%$), K($\pm 10\%$), M($\pm 20\%$)
Withstand Voltage	1,200V.AC(60Hz)for 60 sec. or 2,100V.DC for 1 sec.
Dissipation Factor	$\leq 0.1\%$ at 1 K Hz and 20°C $\leq 0.3\%$ at 10 K Hz and 20°C
Insulation Resistance (between terminals)	$\geq 3 \times 10^4 \text{M}\Omega$ for $C \leq 0.33 \mu\text{F}$ $\geq 1 \times 10^4 \text{M}\Omega / \mu\text{F}$ for $C > 0.33 \mu\text{F}$

G(Minimum Limit Temperature)=-40°C

M(Maximum Limit Temperature)=+100°C

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

95% for 30 days per year continuously

85% for the remaining days occasionally

J= $\pm 5\%$, K= $\pm 10\%$, M= $\pm 20\%$

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

