X7R HIGH VOLTAGE RADIAL CAPACITORS
1kV-5kV

• Applications

This radial capacitor for hight voltage applications with excellent high voltage performance is designed for applications such as SMPS, snubbers, voltage multipliers and DC/AC converters

RoHS compliant

• Electrical Parameters

Electrical Characteristics	at + 25°C unless otherwise specified
Operating Temperature	- 55°C, + 125°C
Temperature Coefficient	± 15% with 0Vdc applied
Dissipation Factor	≤ 0.025

Insulation Resistance (IR)
25°C/Un 10^5 MOhm or 1000 Ohm-Farad whichever is less
125°C/Un 10^4 MOhm or 100 Ohm-Farad whichever is less
Dielectric Strength Test
Performed per method 103 of EIA 198-2-E
Applied test voltages :
1000Vdc-rated : min 120% of rated voltage

• Quick Reference Data

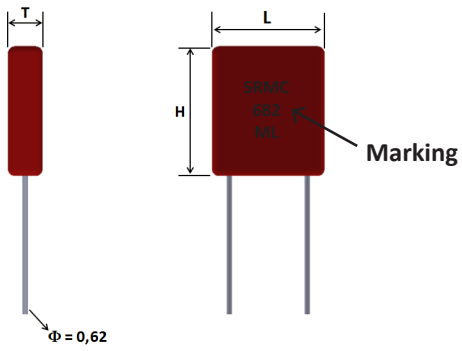
	SRMC60	SRMC61	SRMC62
1000V	1nF-180nF	100nF-820nF	1nF-390nF
2000V	1nF-27nF	10nF-120nF	1nF-47nF
3000V	1nF-12nF	1nF-68nF	1nF-27nF
4000V	1nF-1.7nF	1nF-27nF	1nF-10nF
5000V		1nF-18nF	1nF-6.8nF

• Ordering Information

SRMC62	Y	682	M	L	F	B	HV
STYLE	DIELECTRIC	CAPACITANCE	TOLERANCE	VOLTAGE	TERMINATION	PACKAGING	HIGH VOLT
SRMC60 SRMC61 SRMC62	Y = X7R	Expressed in picofarads (pF). The first two digits are significant, the third digit give the number of noughts. Example : 102 = 1000pF	J = ± 5% K = ± 10% M = ± 20%	G = 1000V H = 2000V I = 3000V K = 4000V L = 5000V	F = Palladium-Silver	B = 7'' reel V = Bulk	

• Dimensions *in millimeters*

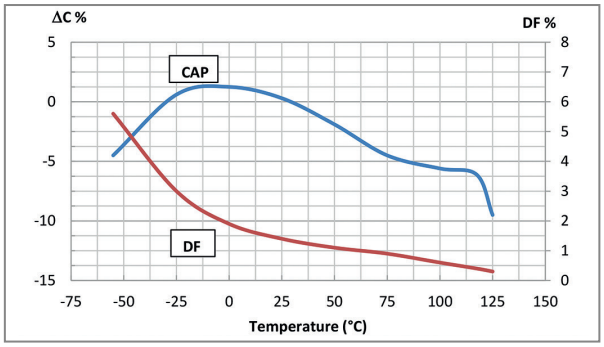
SRMC Style	SRMC60	SRMC61	SRMC62
Lead spacing ± 0,76 mm	10.16	15.1	12.7
Height (H) max	8.1	15.2	12.6
Length (L) max	14	17	14.5
Thickness (T) max	5	5	5
Leads diameter nominal	0.62	0.62	0.62



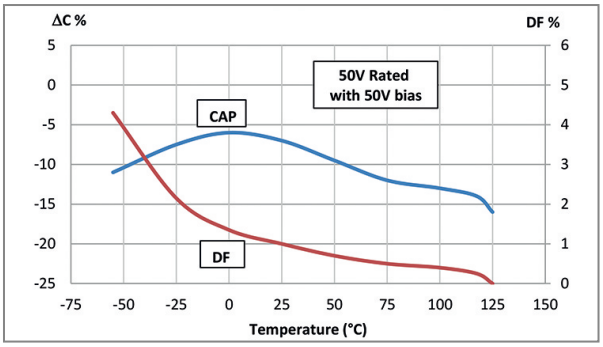
X7R HIGH VOLTAGE RADIAL CAPACITORS 1kV-5kV

• Typical Characteristics

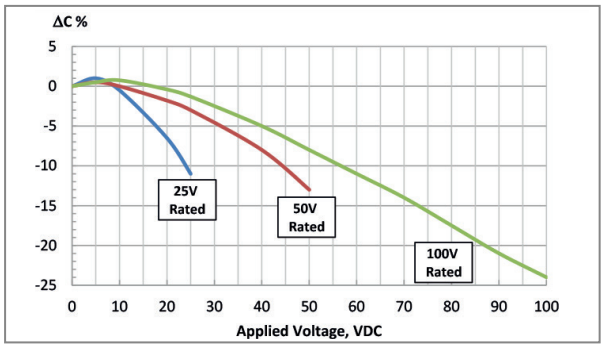
X7R Capacitance and dissipation factor vs temperature



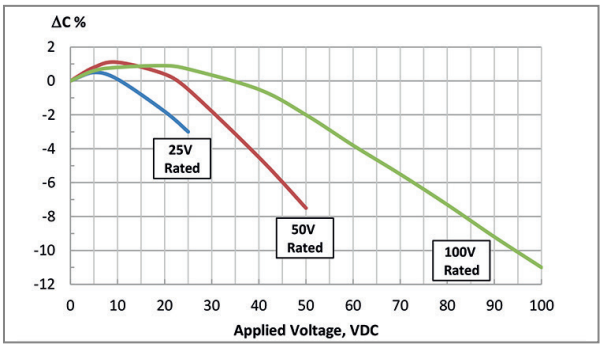
BX Capacitance and dissipation factor vs temperature



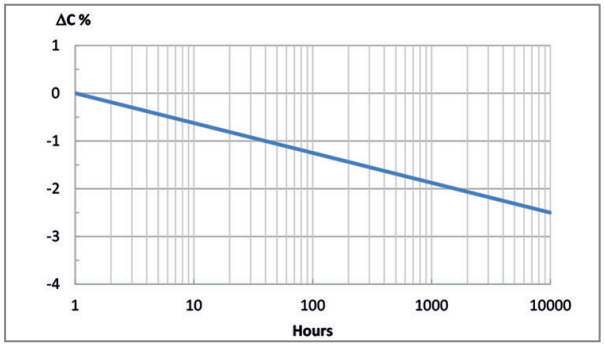
X7R Voltage coefficient of capacitance



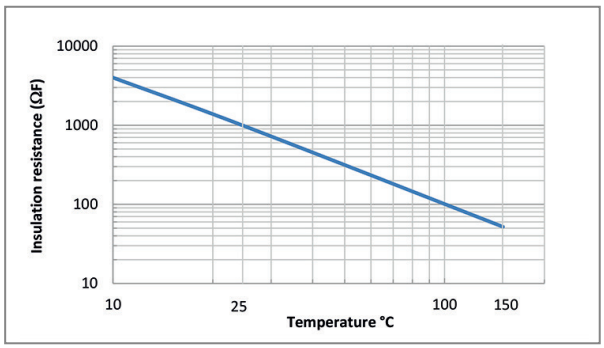
BX Voltage coefficient of capacitance



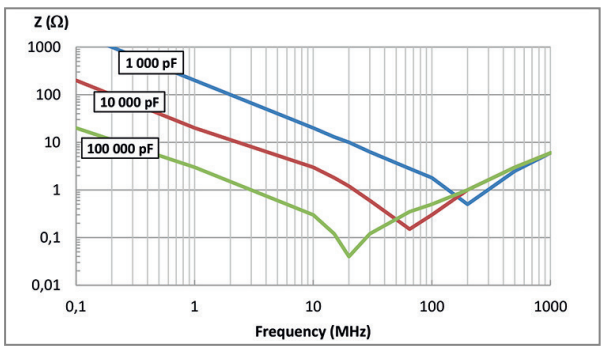
X7R and BX Aging



X7R and BX Insulation resistance vs temperature



X7R Impedance vs frequency



BX Impedance vs frequency