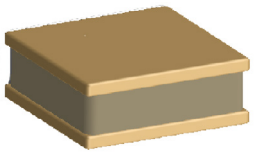
RF DECOUPLING
X7R Vertical Electrodes Capacitor
16V - 100V

• Applications

Low Inductance Chip for Decoupling Integrated Circuit
Able to work until 3GHz
Wire Bondable Capacitor with Gold Termination
Attachment Conductive Adhesive or AuSn Solder



Pb
RoHS compliant

• Electrical Parameters

Electrical Characteristics	at + 25°C unless otherwise specified
Operating Temperature	- 55°C, + 125°C
Temperature Coefficient	± 15%
Dissipation Factor	≤ 2.5%

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 Withstanding Voltage
Performed per method 301 MIL STD 202
Applied test voltages :
≤ 100Vdc-rated : 250% of rated voltage

• Quick Reference Data

	0202	0204	0303	0306	0404	0508
16V	100pF - 4.7nF	100pF - 10nF	100pF - 33nF	1nF - 47nF	1nF - 47nF	1nF - 150nF
25V	100pF - 2.7nF	100pF - 5.6nF	100pF - 22nF	1nF - 33nF	1nF - 33nF	1nF - 100nF
50V	100pF - 1nF	100pF - 2.2nF	100pF - 10nF	1nF - 22nF	1nF - 22nF	1nF - 82nF
100V	100pF - 470pF	100pF - 1nF	100pF - 6.8nF	1nF - 8.2nF	1nF - 8.2nF	1nF - 33nF

• Ordering Information

SREV	0303	Y	103	K	X	W	W	XX
STYLE	SIZE	DIELECTRIC	CAPACITANCE	TOLERANCE	VOLTAGE	TERMINATION	PACKAGING	SPECIAL REQUIREMENT
	0202 2222 0204 0303 0306 0404 0508	Y = X7R	Expressed in picofarads (pF). The first two digits are significant, the third digit give the number of noughts. Example : 102 = 1000pF	K = ± 10% M = ± 20%	J = 16V X = 25V A = 50V B = 100V	W = Gold	W = Waffle Pack	

• Dimensions in millimeters

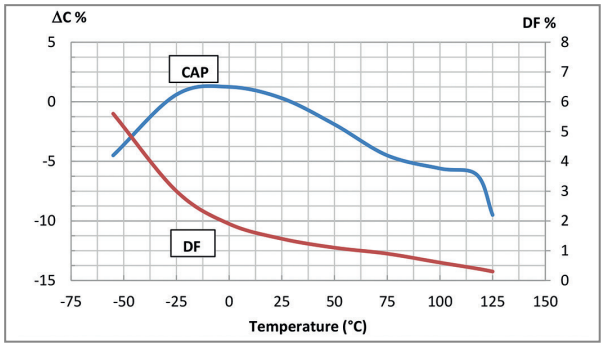
Designation	0202	2222	0204	0303	0306	0404	0508
Length (L)	0.51 ± 0.01	0.56 ± 0.05	0.51 ± 0.05	0.8 ± 0.05	0.8 ± 0.05	1.02 ± 0.1	1.25±0.1
Width (W)	0.51 ± 0.05	0.56± 0.05	1.02 ± 0.1	0.8 ± 0.05	1.50 ± 0.1	1.02 ± 0.1	2.1±0.1
Thickness max (T)	0.40	0.40	0.45	0.60	0.60	0.65	0.65
Termination max (P)	0.08	0.08	0.15	0.15	0.15	0.15	0.15

Gold Termination > 2.5µm.

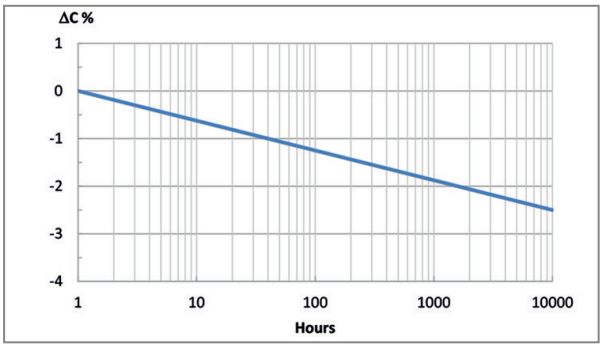
RF DECOUPLING
X7R Vertical Electrodes Capacitor
16V - 100V

• Typical Characteristics

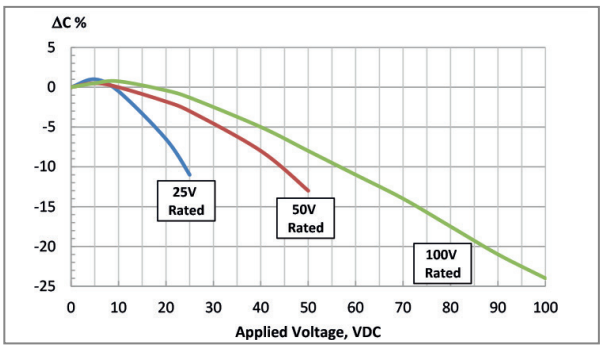
X7R Capacitance and dissipation factor vs temperature



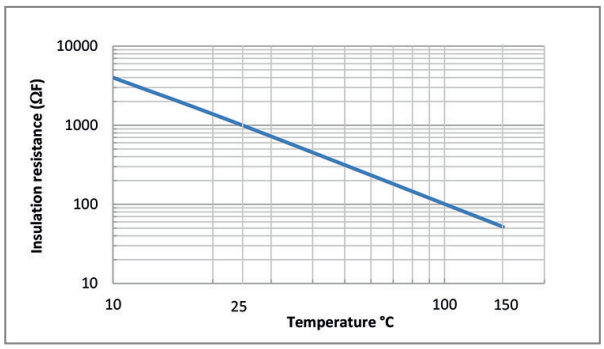
X7R Aging



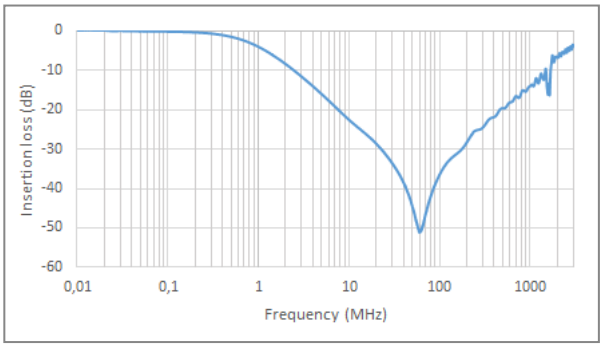
X7R Voltage coefficient of capacitance



X7R Insulation resistance vs temperature



Impedance vs frequency



Impedance vs high frequency