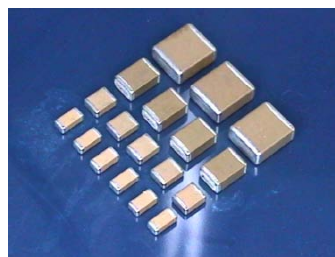


SAC Series Tip & Ring Capacitors



Telephone lines use a DC voltage of 48 volts and pass the subscriber's AC signal pulse of 15 to 25Hz at 70 to 90Vrms. These MLCC Tip & Ring capacitors replace bulky leaded film capacitors and offer excellent frequency response, low ESR and improved temperature characteristics. Ideal for telecommunication and modem applications.

◆ Features

- Small size & high capacitance.
- Suitable for wave and reflow soldering.
- Surface mount.
- Low ESR characteristics & improved temperature performance.
- RoHS compliant.

◆ Summary of Specifications

Operating Temperature	X7R : -55~+125 °C , Y5U : -30~+85 °C
Rated Voltage	250Vdc
Temperature Coefficient	Y5U : ≤ +22 /-56 % , -30~+85 °C (EIA Class II)
	X7R : ≤ ± 15% , -55~+125 °C (EIA Class II)
Capacitance Range	Y5U : 10nF ~ 1.0uF
	X7R : 180pF ~ 2.2uF
Dissipation Factor	Y5U : D.F. ≤ 4.0% ; X7R : D.F. ≤ 2.5%
Insulation Resistance	10GΩ or 500/C Ω whichever is smaller
Dielectric Strength	200% rated voltage for 5 second @ 50mA max. current
Ageing	Y5U: 4.0 %; X7R: 1.0 % per decade hr , typical

◆ How To Order

C	1812	X	474	M	251	T
Product Code	Chip Size	Dielectric	Capacitance Unit : pF	Tolerance	Rated Voltage	Packaging
C : MLCC Multilayer Ceramic Capacitor	Ex. : 0805 1206 1210 1812 2220	Ex. : X : X7R E : Y5U	Ex. : 103 : 10×10 ³ 474 : 47×10 ⁴	Ex. : K : +/- 10% M : +/- 20%	Ex. : 251 : 250Vdc	T : Tape & Reel B : Bulk

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