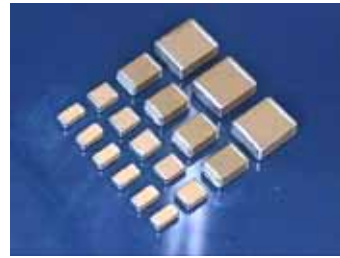


SAC Series

[Tip & Ring Capacitor]



In telephone line the DC voltage is 48 volt and pass subscriber's AC signal is pulse(15 to 25Hz, 70 to 90 Vrms).

The ringer capacitors replace bulk leaded film capacitors and ceramic device offer excellent frequency response, low ESR and improved temperature characteristic. Ideal for telecommunication/modem application.

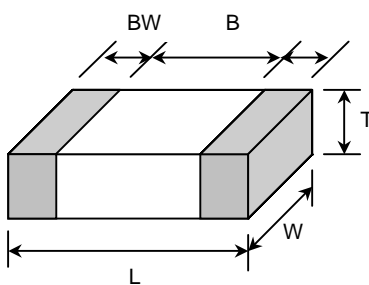
◆ Features

- ❑ Small Size & High Capacitance
- ❑ Suitable for Wave and Reflow Soldering
- ❑ Surface Mount
- ❑ Low ESR characteristic & improved temperature performance

◆ Summary of Specification

Operation temperature	X7R : -55~+125 , Y5U : -30~+85
Rated Voltage	250Vdc
Temperature Coefficient	Y5U : ≤ +22 /-56 % , -30~+85 (EIA Class II)
	X7R : ≤ ± 15% , -55~+125 (EIA Class II)
Capacitance Range	10nF ~ 560nF
Dissipation Factor :	Y5U : D.F. 4.0% ; X7R : D.F. 2.5%
Insulation Resistance	10G or 500/C whichever is smaller
Dielectric Strength	200% Rated Voltage for 5 second @ 50mA max. current
Aging	Y5U: 4.0 % ; X7R: 2.5 % per decade of time , Typical

◆ Dimension



Unit : mm [inches]

TYPE	L	W	T (max)	B (min)	BW (min)
0805	2.00+/-0.2 [.079+/- .012]	1.25+/-0.2 [.049+/- .008]	1.45 [.043]	0.70 [.028]	0.20 [.008]
1206	3.20+/-0.3 [.126+/- .012]	1.60+/-0.2 [.126+/- .012]	1.80 [.071]	1.50 [.059]	0.30 [.012]
1210	3.20+/-0.3 [.126+/- .012]	2.50+/-0.2 [.098+/- .008]	2.60 [.102]	1.60 [.063]	0.30 [.012]
1812	4.60+/-0.3 [.181+/- .012]	3.20+/-0.3 [.126+/- .012]	3.00 [.118]	2.50 [.098]	0.30 [.012]
2220	5.70+/-0.4 [.220+/- .016]	5.00+/-0.4 [.197+/- .016]	3.00 [.118]	3.50 [.137]	0.30 [.012]

◆ How To Order

C

1812

E

474

M

251

T

Product Code	Chip Size	Dielectric	Capacitance Unit : pF	Tolerance	Rated Voltage	Packaging
C: MLCC (Multilayer Ceramic Chip of Capacitor)	Ex.: 1206 : 3.2×1.6 mm 1812 : 4.6×3.2 mm	Ex.: X : X7R E : Y5U	Ex.: 103:10×10 ³ 474:47×10 ⁴	Ex.: K: +/- 10% M: +/- 20%	Ex.: 251:250Vdc	T: Taping & Reel B: Bulk

