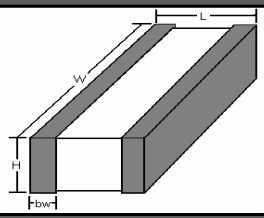
Low Inductance Capacitors:
0612 - X7R/ X5R

0612 SMT Capacitors feature:

- 0612 Case Size
- Ultra Low ESL
- X7R and X5R Dielectric Materials

Mechanical Dimensions



Length (L): .060" ± .010"
Width (W): .120" ± .010"
Thickness (T): .040" ± .020"
Bandwidth (bw): .020"

Capacitance Value

Value (pF)	Cap. Code	Max Voltage	Dielectric
10000 (.01µF)	103	100 VDC	X7R
22000 (.022µF)	223	↓	X7R
47000 (.047µF)	473	↓	X7R
100000 (.01µF)	104	↓	X7R
220000 (.22µF)	224	↓	X7R
330000 (.33µF)	334	50 VDC	X7R
470000 (.47µF)	474	↓	X5R
1,000,000 (1µF)	105	25 VDC	X5R
2,200,000 (2.2µF)	225	↓	X5R

** For Additional Capacitance Values and Working Voltages, Please Contact the Factory **

Ordering Information

Case Size	Dielectric	Capacitance	Tolerance	Voltage	Termination	Packaging	Hi-Reli Testing
0612	X	224	K	250	SN	T	- A
Mechanical Dimensions Shown Above	X = X7R B = X5R	First 2 digits are Significant; Third digit indicates number of Zeros. Examples: 201 = 200pF 2R2 = 2.2pF	G ±2% J ±5% K ±10% M ±20%	First 2 digits are Significant; Third digit indicates number of Zeros Examples: 201 = 200V 151 = 150V	S Solder Over Nickel Plated SN Tin over Nickel Plated *(RoHS Compliant)* G Gold over Nickel Plated *(RoHS Compliant)*	T = Tape and Reel W = Waffle Pack	*(Optional)* A = Group A B = Group B C = Group C Tested and Screened

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