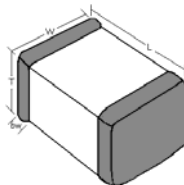


### 0402 SMT Capacitors feature:

- 0402 Case Size
- High Voltage
- Low ESR
- X7R and X5R Dielectric Materials



### Mechanical Dimensions

- Length (L):** .040" ± .005"  
**Width (W):** .020" ± .005"  
**Thickness (T):** .023" max  
**Bandwidth (bw):** .010" ± .005"

### Capacitance Value

Value (pF)	Cap. Code	Max Voltage	Dielectric	Value (pF)	Cap. Code	Max Voltage	Dielectric
270	271	300 VDC	X7R	5600	562	200 VDC	X7R
300	301		X7R	6800	682		X7R
330	331		X7R	8200	822		X7R
360	361		X7R	10,000 (.01μF)	103	100 VDC	X7R
390	391		X7R	12,000 (.012μF)	123		X7R
470	471		X7R	15,000 (.015μF)	153		X7R
560	561		X7R	22,000 (.022μF)	223		X7R
680	681		X7R	33,000 (.033μF)	333		X7R
750	751		X7R	47,000 (.047μF)	473		X7R
820	821		X7R	56,000 (.056μF)	563		X7R
1000	102		X7R	68,000 (.068μF)	683	50 VDC	X7R
1200	122		X7R	82,000 (.082μF)	823		X7R
1500	152		X7R	100,000 (.10μF)	104		X7R
1800	182		X7R	220,000 (.22μF)	224		X7R
2000	202		X7R	270,000 (.27μF)	274		X7R
2200	222	200 VDC	X7R	330,000 (.33μF)	334	25 VDC	X7R
2400	242		X7R	470,000 (.47μF)	474		X5R, X7R
2700	272		X7R	680,000 (.68μF)	684	16 VDC	X5R, X7R
3300	332		X7R	820,000 (.82μF)	824		X5R, X7R
3900	392		X7R	1,000,000 (1μF)	105		X5R, X7R
4700	472		X7R				

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

### ORDERING INFORMATION

Case Size	Dielectric	Capacitance	Tolerance	Voltage	Termination	Packaging	Hi-Reli Testing
0402	X	472	K	201	SN	T	- A
Mechanical Dimensions Shown Above	X = X7R B = X5R	First 2 digits are Significant; Third digit indicates # of Zeros. Use "R" for decimal point Examples: 201 = 200pF 2R2 = 2.2pF	F ±1% G ±2% J ±5% K ±10% M ±20%	First 2 digits are Significant; Third digit indicates number of Zeros Examples: 201 = 200V 151 = 150V 202 = 2000V	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