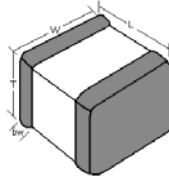


## Surface Mount Capacitors: 1812 - X7R/ X5R, High Voltage

### 1812 SMT Capacitors feature:

- 1812 Case Size
- High Voltage
- High Capacitance
- X7R and X5R Dielectric Materials

### Mechanical Dimensions



Length (L): .180" ± .010"

Width (W): .120" ± .010"

Thickness (T): .110" max

Bandwidth (bw): .030" ± .010"

### Capacitance Value

Value (pF)	Cap. Code	Max Voltage	Dielectric	Value (pF)	Cap. Code	Max Voltage	Dielectric
100	101	3000 VDC	X7R	33,000 (.033μF)	333	2000 VDC	X7R
150	151		X7R	39,000 (.039μF)	393	1000 VDC	X7R
220	221		X7R	47,000 (.047μF)	473		X7R
330	331		X7R	56,000 (.056μF)	563		X7R
470	471		X7R	68,000 (.068μF)	683		X7R
680	681		X7R	82,000 (.082μF)	823		X7R
820	821		X7R	100,000 (.10μF)	104	500 VDC	X7R
1000	102		X7R	150,000 (.15μF)	154		X7R
1500	152		X7R	220,000 (.22μF)	224	250 VDC	X7R
1800	182		X7R	330,000 (.33μF)	334		X7R
2200	222		X7R	470,000 (.47μF)	474		X7R
2700	272		X7R	560,000 (.56μF)	564		X7R
3300	332		X7R	680,000 (.68μF)	684		X7R
3900	392		X7R	1,000,000 (1μF)	105		X7R
4700	472		X7R	1,500,000 (1.5μF)	155	200 VDC	X7R
5600	562		X7R	2,200,000 (2.2μF)	225	100 VDC	X7R
6800	682		X7R	3,300,000 (3.3μF)	335		X7R
8200	822		X7R	4,700,000 (4.7μF)	475	50 VDC	X7R
10,000 (.01μF)	103		X7R	6,800,000 (6.8μF)	685		X7R
15,000 (.015μF)	153		X7R	10μF	106		X7R, X5R
18,000 (.018μF)	183	2000 VDC	X7R	22μF	226		X7R, X5R
22,000 (.022μF)	223		X7R	47μF	476	35 VDC	X7R, X5R
27,000 (.027μF)	273		X7R	100μF	107	25 VDC	X7R, 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
1812	X	822	J	302	SN	T	- A
Mechanical Dimensions Shown Above	X = X7R	First 2 digits are Significant; Third digit indicates # of Zeros. Use "R" for decimal point Examples: 201 = 200pF 226 = 22μF	C ± 0.25pF D ± 0.50pF F ± 1% G ± 2% J ± 5% K ± 10% M ± 20% Z +80%, -20%	First 2 digits are Significant; Third digit indicates number of Zeros Examples: 201 = 200V 151 = 150V 202 = 2000V	S Solder Plated Over Nickel 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