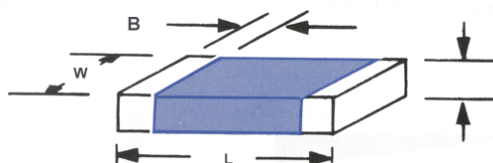


HV1 Series - Chip Ceramic Capacitors COG (NPO) Dielectric

HV1 Series: The HV1 Series has a linear temperature coefficient, low loss, stable electrical properties with time, voltage and frequency. Designed for surface mount application with nickel barrier termination suitable for solder wave, vapor phase or reflow solder board attachment. Also, available with silver-palladium terminations for hybrid use with conductive epoxy. COG (NPO) chips are used in precision circuitry requiring Class I stability.



	Dimensions (mm/in)			Voltage				
Case Size	L	W	T	25V	50V	100V	200V	
0402	1.0±0.1 (0.039±0.004)	0.5±0.1 (0.020±0.004)	0.6 max. (0.024 max.)	0.5pF 220pF	0.5pF 120pF	-	-	Min. Max.
0603	1.6±0.15 (0.063±0.006)	0.8±0.15 (0.031±0.006)	0.9 max. (0.035 max.)	0.5pF 1000pF	0.5pF 1000pF	0.5pF 330pF	-	Min. Max.
0805	2.0±0.2 (0.079±0.008)	1.25±0.2 (0.049±0.008)	1.3 max. (0.051 max.)	0.5pF 4700pF	0.5pF 2200pF	0.5pF 1000pF	0.5pF 470pF	Min. Max.
1206	3.2±0.2 (0.126±0.008)	1.6±0.2 (0.063±0.008)	1.5 max. (0.059 max.)	0.5pF 0.1µF	0.5pF 4700pF	0.5pF 2200pF	0.5pF 1000pF	Min. Max.
1210	3.2±0.2 (0.126±0.008)	2.5±0.2 (0.098±0.008)	1.7 max. (0.067 max.)	560pF .01µF	560pF .01µF	560pF 3900pF	560pF 1500pF	Min. Max.
1812	4.5±0.3 (0.177±0.012)	3.2±0.2 (0.126±0.008)	1.7 max. (0.067 max.)	1000pF .015µF	1000pF .01µF	1000pF 4700pF	1000pF 3300pF	Min. Max.
1825	4.5±0.3 (0.177±0.012)	6.4±0.4 (0.252±0.016)	1.7 max. (0.067 max.)	-	1000pF .022µF	1000pF .012µF	1000pF 6800pF	Min. Max.

Capacitance Range

HOW TO ORDER

HV1 C 0805 102 M 201 N T
 Series Dielectric Size Code Capacitance Tolerance Voltage Termination Packaging
 2 - significant digits
 + multiplier

Please refer to corresponding charts

Capacitance Codes	
9.1pF	9R1
10pF	100
100pF	101
1,000pF	102
22,000pF	223
220,000pF	224
1μF	105

Tolerance Codes	
A	± 0.05pF
B	± 0.1pF
C	± 0.25pF
D	± 0.5pF
F	± 1%
G	± 2%
J	± 5%
K	± 10%
M	± 20%

Rated Voltage Codes	
16V	160
25V	250
50V	500
100V	101
200V	201

Termination	
S	AgPd
N	Nickel Barrier
C	Cu/n

Packaging		
Size	Reel	Bulk
0402	10,000	50,000
0603	4,000	12,000
0805	4,000	12,000
1206	4,000	12,000
1210	4,000	12,000
1812	1,500	3,000
1825	1,000	3,000