

Multilayer Ceramic Chip Capacitors

Vishay



PART NUMBERING/ORDERING INFORMATION								
VJ0805	Y	102	K	X	A	A	C	2L
CASE CODE	DIELECTRIC	CAPACITANCE NOMINAL CODE	TOLERANCE CODE (1)	TERMINATION	DC VOLTAGE RATING	MARKING OPTION (2)	PACKAGING	PROCESS CODE
0201	A = C0G (NP0)	Expressed in picofarad (pF). The first two digits are significant, the third is a multiplier. An "R" indicates a decimal point. Example: 0R3 = 0.3 pF 4R7 = 4.7 pF 102 = 1000 pF 473 = 47 000 pF	V = ± 0.05 pF B = ± 0.10 pF C = ± 0.25 pF D = ± 0.50 pF F = ± 1 % G = ± 2 % H = ± 3 % J = ± 5 % K = ± 10 % M = ± 20 % Z = - 20 %/+ 80 %	X = Ni barrier 100 % tin plate matte finish F = AgPd L = Ni barrier tin/lead plate min. 4 % lead B = Polymer 100 % tin plate matte finish N = Non-magnetic	S = 4 V	A = Unmarked M = Marking vendor ID + 2 character cap. code (size 0805/1206) B = Marking for automotive VJ...31 vendor ID + date code (size 0805/1206)	T = 7" reel/ plastic tape C = 7" reel/ paper tape O = 7" reel/ flamed paper tape used for AgPd termination 0402/0603/0805 E = 7" reel/ plastic tape only used automotive VJ...31/VJ...34 R = 11 1/4"/13" reel/plastic tape P = 11 1/4"/13" reel/paper tape I = 11 1/4"/13" reel/ flamed paper tape used for AgPd termination 0402/0603/0805 M = 11 1/4"/13" reel/plastic tape only used Automotive VJ...31/VJ...34	00, 54, 3L, 3P, A2 = Standard (3)(4) 31, 34 = Automotive 4X, 5H = Open mode 5Z = HV Arc Guard® 2L, 68, 5G = High-Rel. W1BC = Basic commodity
0402	Y = X7R				Y = 6.3 V			
0603	G = X5R				Q = 10 V			
06C4 (5)	H = X8R				J = 16 V			
0805	Q = High Q				X = 25 V			
1206	V = Y5V				A = 50 V			
1210	L = Ultra High Q Low ESR				B = 100 V			
1808					C = 200 V			
1812					P = 250 V			
1825					D = 300 V			
2220		T = 400 V						
2225		E = 500 V						
3640		L = 630 V						
		G = 1000 V						
	R = 1500 V							
	F = 2000 V							
	O = 2500 V							
	H = 3000 V							

Notes

- (1) C0G (NP0)/High Q: B, C, D < 10 pF; F, G, J, K ≥ 10 pF
Ultra High Q: V, B, C, D ≤ 5 pF; B, C, D > 5 pF < 10 pF; F, G, J ≥ 10 pF
X5R: K, M
X7R/X8R: J, K, M
Y5V: M, Z
Details see individual datasheets
- (2) Marking is not available in process code W1BC
Marking is not available for termination code "F" = AgPd termination
- (3) Phasing out of "3L" and "3P"
- (4) Phasing out of "A2" temporarily used to identify manufacturing plant
- (5) Chip array size 0612 including 4 capacitors