

# Multilayer Ceramic Chip Capacitors

Vishay



PART NUMBERING/ORDERING INFORMATION									
VJ0805	Y	102	K	X	A	A	C	31	
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: 4R7 = 4.7 pF 102 = 1000 pF 473 = 47 000 pF	B = $\pm 0.10$ pF C = $\pm 0.25$ pF D = $\pm 0.50$ pF  F = $\pm 1\%$ G = $\pm 2\%$ H = $\pm 3\%$ J = $\pm 5\%$ K = $\pm 10\%$ M = $\pm 20\%$ Z = - 20 %/ + 80 %	X = Ni barrier 100 % tin plate matte finish  F = AgPd  L = Ni barrier tin/lead plate min. 4 % lead	S = 4 V	A = Unmarked  M = Marked 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  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  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					B = Polymer 100 % tin plate matte finish  N = Non-magnetic	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								
	W = 4000 V								

## Notes

- (1) C0G(NP0): B, C, D < 10 pF; F, G, J, K  $\geq$  10 pF  
X7R: J, K, M  
Y5V: Z, M
- (2) Marking is not available in process code W1BC  
Marking is not available for termination code "F" = AgPd
- (3) Phasing out of "3L" and "3P"
- (4) "A2" temporarily used to identify manufacturing plant
- (5) Chip array size 0612 including 4 capacitors