



Part Numbering/Ordering Information

PART NUMBERING/ORDERING INFORMATION ⁽⁷⁾								
VJ0805	Y	102	K	X	A	A	C	2L
CASE CODE ⁽⁸⁾	DIELECTRIC	CAPACITANCE NOMINAL CODE	TOLERANCE CODE ⁽¹⁾	TERMINATION	DC VOLTAGE RATING	MARKING OPTION ⁽²⁾	PACKAGING	PROCESS CODE ⁽⁹⁾
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, E = AgPd ⁽⁶⁾ 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	00, 54, 3L, 3P, A2 = Standard ⁽³⁾⁽⁴⁾ 31, 34 = Automotive 4X, 5H = Open mode 5Z = HVArc Guard® 2L, 2M, 68, 5G = High-Rel. 8R = Controlled discharge capacitor W1BC = Basic commodity
0402	Y = X7R				Y = 6.3 V		C = 7" reel/ paper tape	
0603	G = X5R				Q = 10 V		O = 7" reel/ flamed paper tape used for AgPd termination 0402/0603/0805	
06C4 ⁽⁵⁾	H = X8R				J = 16 V			
0805	Q = High Q				X = 25 V			
1206	V = Y5V				Z = 35 V		J = 7" reel (low quantity)	
1210	L = Ultra High Q Low ESR				A = 50 V		E = 7" reel/ plastic tape only used automotive VJ...31/VJ...34	
1808					B = 100 V			
1812	D = HIFREQ				C = 200 V			
1825					P = 250 V		R = 11 1/4"/13" reel/plastic tape	
2220					D = 300 V		P = 11 1/4"/13" reel/paper tape	
2225					T = 400 V			
3040					E = 500 V		I = 11 1/4"/13" reel/flamed paper tape used for AgPd termination 0402/0603/0805	
3640					L = 630 V			
4044					G = 1000 V		M = 11 1/4"/13" reel/plastic tape only used Automotive VJ...31/VJ...34	
					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 $\geq$ 10 pF
Ultra High Q: V, B, C, D $\leq$ 5 pF; B, C, D > 5 pF < 10 pF; F, G, J $\geq$ 10 pF
X5R: K, M
X7R/X8R: J, K, M
Y5V: M, Z
For details, see individual datasheets
- (2) Marking is not available in process code W1BC
Marking is not available for termination code "F"/"E" = AgPd and "N" = Non-magnetic terminations
- (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 VJ06C4...W1BC, only Basic Commodity Series
- (6) Termination code "E" for conductive epoxy assembly, contact mlcc@vishay.com for availability
- (7) For details of ratings, see individual datasheet
- (8) Case size designator may be replaced by a four digit drawing number
- (9) Customer specific process codes are also possible

**PART NUMBERING/ORDERING INFORMATION MILITARY PRODUCTS ⁽¹⁾**

CDR31	BX	103	A	K	Z	P	A	T
MILITARY STYLE	DIELECTRIC	CAPACITANCE	DC VOLTAGE RATING	TOLERANCE CODE	TERMINATION	FAILURE RATE	MARKING OPTION	PACKAGING
CDR01 CDR02 CDR03 CDR04 CDR06 CDR31 CDR32 CDR33 CDR34	BP BX	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	A = 50 V B = 100 V	C = ± 0.25 pF D = ± 0.50 pF F = ± 1 % J = ± 5 % K = ± 10 % M = ± 20 %	M = Silver palladium Y = Ni barrier 100 % tin plate matte finish W = Ni barrier 100 % tin plate matte finish Z = Ni barrier 100 % tin/lead plate min. 4 % U = Hot solder dipped min. 4 % lead	M = 1.0 % P = 0.1 % R = 0.01 % S = 0.001 % Consult factory for failure rate status	A = Unmarked	T = 7" reel/ plastic tape J = 7" reel/(low qty.) C = 7" reel/paper tape R = 11 1/4"/13" reel/plastic tape P = 11 1/4"/13" reel/paper tape B = Bulk

PART NUMBERING/ORDERING INFORMATION DSCC PRODUCTS ⁽¹⁾

03028-	BX	102	A	K	Z	C	J
DSCC STYLE	DIELECTRIC	CAPACITANCE	DC VOLTAGE RATING	TOLERANCE CODE	TERMINATION	GROUP TESTING	PACKAGING
03028- 03029- 05006- 05007-	BP BX BR	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	X = 10 V Y = 16 V Z = 25 V A = 50 V B = 100 V C = 200 V	C = ± 0.25 pF D = ± 0.50 pF F = ± 1 % G = ± 2 % J = ± 5 % K = ± 10 % M = ± 20 %	M = Silver palladium Z = Ni barrier tin/lead plate min. 4 % lead U = Hot solder dipped min. 4 % lead	C = Full group C L = 2000 h life test only M = 1000 h life test only H = Low voltage humidity test only - = Group A test only	T = 7" reel/ plastic tape J = 7" reel/(low qty.) C = 7" reel/paper tape O = 7" reel/flamed paper tape 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 B = bulk

PART NUMBERING/ORDERING INFORMATION DSCC PRODUCTS ⁽¹⁾⁽²⁾

05001-	4R7	A	C	Z	C	J
DSCC STYLE	CAPACITANCE	DC VOLTAGE RATING	TOLERANCE CODE	TERMINATION	GROUP TESTING	PACKAGING
05001- 05002- 05003-	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	A = 50 V B = 100 V C = 200 V K = 250 V	B = ± 0.10 pF C = ± 0.25 pF D = ± 0.50 pF F = ± 1 % G = ± 2 % J = ± 5 % K = ± 10 % M = ± 20 %	M = Silver palladium Z = Ni barrier tin/lead plate min. 4 % lead	C = Full group C L = 2000 h life test only M = 1000 h life test only H = Low voltage humidity test only - = Group A test only	T = 7" reel/plastic tape J = 7" reel/(low qty.) C = 7" reel/paper tape O = 7" reel/flamed paper tape 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 B = Bulk

Notes

- (1) For details of ratings, see individual datasheet
 (2) Contact mlcc@vishay.com for availability