



Part Numbering / Ordering Information

PART NUMBERING / ORDERING INFORMATION (1)										
VJ	0805	Y	102	K	X	A	A	C	2L	
SERIES ID	CASE CODE (4)	DIELECTRIC	CAPACITANCE NOMINAL CODE	TOLERANCE CODE	TERMINATION	VOLTAGE RATING	MARKING OPTION (2)	PACKAGING	PROCESS CODE (5)	
VJ	0201	A = COG (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	X = Ni barrier 100 % matte tin plate finish	Y = 6.3 V _{DC}	A = unmarked	T = 7" reel / plastic tape	00, 54 = standard	
HV	0402	Y = X7R		B = ± 0.10 pF	B, W = polymer / flexible 100 % matte tin plate finish	Q = 10 V _{DC}	M = marking vendor ID + 2 character cap. code (size 0805 / 1206)	C = 7" reel / paper tape	31G, 34G, 31M, EDG, 31X, 31, 34 = automotive	
GA	0505	G = X5R		C = ± 0.25 pF		D = ± 0.50 pF	X = 25 V _{DC}	J = 16 V _{DC}	O = 7" reel / flamed paper tape used for AgPd termination 0402 / 0603 / 0805	31G, 34G, 31M, EDG, 31X, 31, 34 = automotive
	0603	H = X8R		F = ± 1 %	F, E = AgPd (3)	Z = 35 V _{DC}	B = marking optional for automotive GA...31G, GA... EDG, VJ...31X, VJ...31	HT = HIFREQ high temperature		
	0805	Q = high Q		G = ± 2 %	L = Ni barrier tin / lead plate min. 4 % lead	A = 50 V _{DC}	K = 150 V _{DC}	J = 7" reel (low quantity)	4X, 5H = open mode	
	1111	V = Y5V		H = ± 3 %	C = copper barrier 100 % matte tin plate finish (non-magnetic) (6)	B = 100 V _{DC}	C = 200 V _{DC}	E = 7" reel / plastic tape only used automotive VJ...31 / VJ...34	HV = high voltage	
	1210	L = ultra high Q low ESR		J = ± 5 %	Z = -20 % / +80 %	K = 150 V _{DC}	P = 250 V _{DC}	Q = marking for HIFREQ series vendor ID + tolerance + 3 character cap. code (size 0603 / 0805 / 0505 / 1111 / 2525 / 3838)	5Z = HV Arc Guard®	
	1808	D = HIFREQ		K = ± 10 %		M = ± 20 %	D = 300 V _{DC}		S = marking for 250 V _{AC} safety cap	11 1/4" / 13" reel / plastic tape
	1812	X = BX		M = ± 20 %	Z = -20 % / +80 %	C = copper barrier 100 % matte tin plate finish (non-magnetic) (6)	P = 250 V _{DC}	+ 3 character cap. code (size 0603 / 0805 / 0505 / 1111 / 2525 / 3838)	11 1/4" / 13" reel / plastic tape used for AgPd termination 0402 / 0603 / 0805	X1A, X2A = automotive safety caps
	1825									
	2008						T = 400 V _{DC}	I = marking for 305 V _{AC} safety cap	I = 11 1/4" / 13" reel / flamed paper tape used for AgPd termination 0402 / 0603 / 0805	SE = Source Energy Capacitor (SEC)
	2220						E = 500 V _{DC}			
	2225						L = 630 V _{DC}	M = marking for 305 V _{AC} safety cap	M = 11 1/4" / 13" reel / plastic tape only used automotive VJ...31 / VJ...34	2L, 2M, 2MP, 68, 5G = high-rel.
	2525						I = 800 V _{DC}			
	3040						G = 1000 V _{DC}	W = waffle pack	32 = lead bearing termination series	W1BC = basic commodity
	3640						R = 1500 V _{DC}			
	3838						F = 2000 V _{DC}	U = 250 V _{AC}		W1HV = high voltage commercial
	4044						O = 2500 V _{DC}			

Notes

- (1) For details see individual datasheets
- (2) Marking option is not available in process code W1BC
- (3) Termination code "E" for conductive epoxy assembly, contact mlcc@vishay.com for availability
- (4) Case size designator may be replaced by a four digit drawing number
- (5) Customer specific process codes are also possible
- (6) Non-magnetic termination "C" is recommended for IR reflow soldering assembly



PART NUMBERING / ORDERING INFORMATION MILITARY PRODUCTS								
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 CDR35 CDR36 CDR37	BP BR 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	W = 6.3 V X = 10 V Y = 16 V Z = 25 V A = 50 V B = 100 V	C = ± 0.25 pF D = ± 0.50 pF F = ± 1 % G = ± 2 % J = ± 5 % K = ± 10 % M = ± 20 %	M = silver palladium Y = Ni barrier 100 % tin plate matte finish W, Z = Ni barrier with tin / lead plate min. 4 % lead U = Ni barrier - solder coated 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

Note

- For details of ratings, see individual datasheet

PART NUMBERING / ORDERING INFORMATION DSCC PRODUCTS							
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 = Ni barrier - solder coated 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

Note

- For details of ratings, see individual datasheet



PART NUMBERING / ORDERING INFORMATION DSCC PRODUCTS						
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

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

PART NUMBERING / ORDERING INFORMATION MIL-PRF-123							
M123A	10	BX	B	103	K	Z	T
MILITARY STYLE	SLASH SHEET	DIELECTRIC	DC VOLTAGE RATING	CAPACITANCE	TOLERANCE CODE	TERMINATION	PACKAGING
MIL-PRF-123	10: CKS51 (0805) 11: CKS52 (1210) 12: CKS53 (1808) 13: CKS54 (2225) 21: CKS55 (1206) 22: CKS56 (1812) 23: CKS57 (1825)	BP BX	B = 50 V C = 100 V	Expressed in picofarad (pF). The first two digits are significant, the third is a multiplier. "R" denotes decimal place. Examples: 1R0 = 1.0 pF 103 = 10 000 pF 104 = 100 000 pF	B = ± 0.10 pF C = ± 0.25 pF D = ± 0.50 pF F = ± 1 % J = ± 5 % K = ± 10 % M = ± 20 % For BP: B, C, D, J, K For BX: K, M	Z = Ni barrier with tin / lead plate min. 4 % lead S = guarded termination	Plastic tape: T = 7" reel R = 11 1/4" / 13" reel Low quantity: J = 7" reel Bulk packaging: B = bulk

Note

- For details of ratings, see individual datasheet