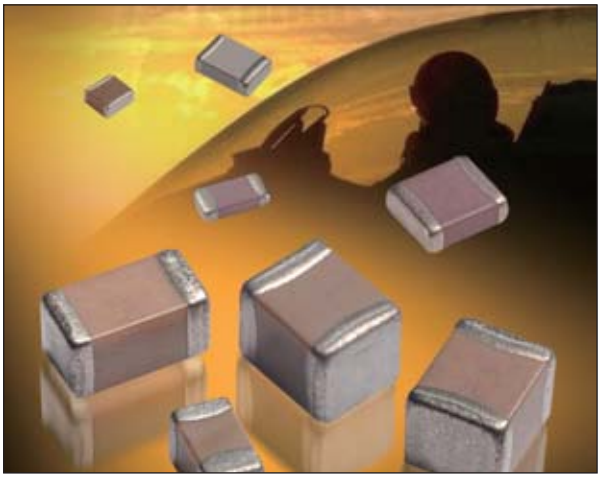
Ceramic Surface Mount MLC Capacitors

LD Series X5R Dielectric, SnPb



AVX Corporation will support those customers for commercial and military Multilayer Ceramic Capacitors with a termination consisting of 5% minimum lead. This termination is indicated by the use of a "B" in the 12th position of the AVX Catalog Part Number. This fulfills AVX's commitment to providing a full range of products to our customers. AVX has provided in the following pages a full range of values that we are currently offering in this special "B" termination. Please contact the factory if you require additional information on our MLCC Tin/Lead Termination "B" products.

Check for up-to-date CV Tables at
http://www.avx.com/docs/catalogs/tinterm.pdf

HOW TO ORDER

LD05	5	D	101	J	A	B	2	A
Size	**Voltage**	**Dielectric**	**Capacitance Code (In pF)**	**Capacitance Tolerance**	**Failure Rate**	**Terminations**	**Packaging**	**Special Code**
LD02 - 0402 LD03 - 0603 LD04 - 0504* LD05 - 0805 LD06 - 1206 LD10 - 1210 LD12 - 1812 LD13 - 1825 LD14 - 2225	6.3V = 6 10V = Z 16V = Y 25V = 3 50V = 5 100V = 1 200V = 2 500V = 7	C0G (NP0) = A X7R = C X5R = D	2 Sig. Digits + Number of Zeros	B = ±.10 pF (<10pF) C = ±.25 pF (<10pF) D = ±.50 pF (<10pF) F = ±1% (≥ 10 pF) G = ±2% (≥ 10 pF) J = ±5% K = ±10% M = ±20%	A = Not Applicable	B = 5% min lead X = FLEXITERM™	2 = 7" Reel 4 = 13" Reel 7 = Bulk Cass. 9 = Bulk **Contact Factory For Multiples**	A = Std. Product

*LD06 has the same CV ranges as LD03.

NOTE: Contact factory for availability of Tolerance Options for Specific Part Numbers.
Contact factory for non-specific capacitance values.

X5R Dielectric

SIZE		LD02						LD03							LD05						LD06						LD10							LD12			
	WVDC	4	6.3	10	16	25	50	4	6.3	10	16	25	35	50	6.3	10	16	25	35	50	6.3	10	16	25	35	50	4	6.3	10	16	25	35	50	6.3	10	25	50
Cap (pF)	100																																				
	150																																				
	220						C																														
	330						C																														
	470						C																														
	680						C																														
	1000						C																														
	1500						C																														
	2200						C																														
	3300						C																														
	4700					C								G																							
	6800					C								G																							
Cap (µF)	0.010					C								G																							
	0.015					C						G	G	G																							
	0.022				C	C						G	G	G						N																	
	0.033				C							G	G	G						N																	
	0.047				C							G	G	G						N																	
	0.068				C							G	G	G						N																	
	0.10			C	C							G		G				N		N																	
	0.15			C	C							G						N	N																		
	0.22		C	C							G	G						N	N						Q												
	0.33										G	G						N																			
	0.47	C	C								G							N					Q	Q									X				
	0.68										G							N		N*																	
	1.0	C	C	C					G	G	G	J					N	N		P				Q	Q						X	X	X				
	1.5															N	N																				
	2.2	C						G	G	J	J					N	N	N					Q	Q							Z	X					Z
	3.3														N	N						Q	Q	Q						Z							
	4.7							G	G						N	N	N	N*				Q	Q	Q						Z							
	10							K							N	N	N				Q	Q	Q	Q					Z								
	22														N						Q	Q	Q					Z	Z	Z	Z						
	47																				Q							Z	Z*								
	100																										Z										
	WVDC	4	6.3	10	16	25	50	4	6.3	10	16	25	35	50	6.3	10	16	25	35	50	6.3	10	16	25	35	50	4	6.3	10	16	25	35	50	6.3	10	25	50
SIZE		LD02						LD03							LD05						LD06						LD10							LD12			

= Under development

Letter	A	C	E	G	J	K	M	N	P	Q	X	Y	Z
Max. Thickness	0.33 (0.013)	0.56 (0.022)	0.71 (0.028)	0.86 (0.034)	0.94 (0.037)	1.02 (0.040)	1.27 (0.050)	1.40 (0.055)	1.52 (0.060)	1.78 (0.070)	2.29 (0.090)	2.54 (0.100)	2.79 (0.110)
	PAPER					EMBOSSED							

*Optional Specifications – Contact factory

NOTE: Contact factory for non-specified capacitance values

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