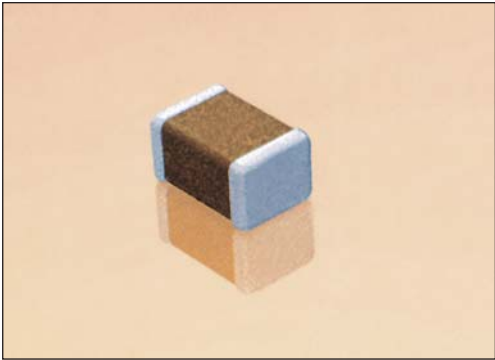


MLCC Low Profile

General Specifications



GENERAL DESCRIPTION

AVX introduces the LT series comprising a range of low profile products in our X5R dielectric. X5R is a Class II dielectric with temperature variation of capacitance within $\pm 15\%$ from -55°C to $+85^{\circ}\text{C}$. Offerings include 0402, 0603, 0805, and 1206 packages in compact, low profile designs. The LT series is ideal for decoupling and filtering applications where height clearance is limited.

PART NUMBER (see page 2 for complete part number explanation)

LT05	Z	D	475	K	M	T	2	S
Size LT02 - 0402 LT03 - 0603 LT05 - 0805 LT06 - 1206	Voltage 4V = 4 6.3V = 6 10V = Z 16V = Y	Dielectric X5R = D	Capacitance Code (In pF) 2 Sig. Digits + Number of Zeros	Capacitance Tolerance K = $\pm 10\%$ M = $\pm 20\%$	Failure Rate A = Not Applicable	Terminations T = Plated Ni and Sn	Packaging 2 = 7" Reel 4 = 13" Reel 7 = Bulk Cass. 9 = Bulk	Special Code CSXW See table below
Contact Factory For Multiples								

CAPACITANCE RANGE (X5R DIELECTRIC)

SIZE	LT02	LT03			LT05			LT06
WVDC	4	4	6.3	16	6.3	10	16	16
Cap (µF)								
0.33								
0.47								
0.68								
1.0	C			S				
1.5								
2.2			S					
3.3								
4.7		S				S	X	
10					X	X		W
22								
47								
100								
WVDC	4	4	6.3	16	6.3	10	16	16
SIZE	LT02	LT03			LT05			LT06

Special Code Table

Letter	C	S	X	W
Max. Thickness	0.356 (0.014)	0.56 (0.022)	0.95 (0.038)	1.02 (0.040)
PAPER				



Mouser Electronics

Authorized Distributor

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[AVX:](#)

[LT024D105MAT2C](#) [LT03YD105KAT2S](#) [LT036D225MAT2S](#) [LT034D475MAT2S](#) [LT05ZD475MAT2S](#)
[LT05YD475MAT2X](#) [LT05ZD106MAT2X](#) [LT056D106MAT2X](#) [LT06YD106MAT2W](#) [LT06YD475KAT2W](#)
[LT103D106MAT2H](#) [LT10YD106MAT2W](#) [LT063D105KAT2X](#)