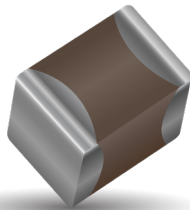


FLEXISAFE MLC Chips

General Specifications and Capacitance Range

For Ultra Safety Critical Applications



AVX have developed a range of components specifically for safety critical applications.

Utilizing the award-winning FLEXITERM™ layer in conjunction with the cascade design previously used for high voltage MLCCs, a range of ceramic capacitors is now available for customers who require components designed with an industry leading set of safety features.

The FLEXITERM™ layer protects the component from any damage to the ceramic resulting from mechanical stress during PCB assembly or use with end customers. Board flexure type mechanical damage accounts for the majority of MLCC failures. The addition of the cascade structure protects the component from low insulation resistance failure resulting from other common causes for failure; thermal stress damage, repetitive strike ESD damage and placement damage. With the inclusion of the cascade design structure to complement the FLEXITERM™ layer, the FLEXISAFE range of capacitors has unbeatable safety features.

HOW TO ORDER

FS05	5	C	104	K	Q	Z	2	A
Size	Voltage	Dielectric	Capacitance Code (In pF)	Capacitance Tolerance	Failure Rate	Terminations	Packaging	Special Code
FS03 = 0603 FS05 = 0805 FS06 = 1206 FS10 = 1210	16V = Y 25V = 3 50V = 5 100V = 1	X7R = C	2 Sig. Digits + Number of Zeros e.g. 10µF = 106	J = ±5% K = ±10% M = ±20%	A = Commercial 4 = Automotive Q = APS	Z = FLEXITERM™ *X = FLEXITERM™ with 5% min lead *Not RoHS Compliant	2 = 7" Reel 4 = 13" Reel	A = Std.Product

FLEXISAFE X7R RANGE

Capacitance Code	FS03 = 0603	FS05 = 0805	FS06 = 1206	FS10 = 1210
Soldering	Reflow/Wave			
WVDC	16	25	50	100
µF	16	25	50	100
102	0.001			
182	0.0018			
222	0.0022			
332	0.0033			
472	0.0047			
103	0.01			
123	0.012			
153	0.015			
183	0.018			
223	0.022			
273	0.027			
333	0.033			
473	0.047			
563	0.056			
683	0.068			
823	0.082			
104	0.1			
124	0.12			
154	0.15			
224	0.22			
334	0.33			
474	0.47			

Qualified



The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.