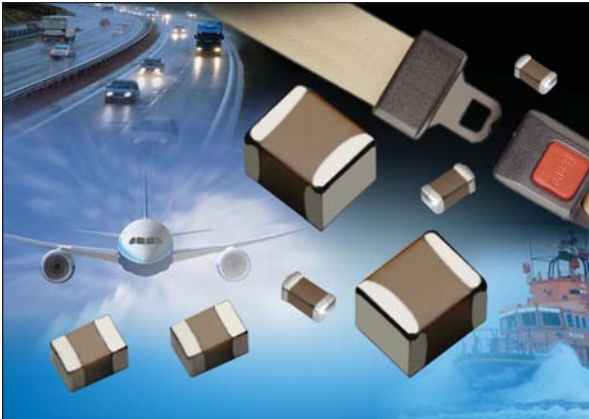


FLEXISAFE MLC Chips

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

FS03	5	C	104	K	Q	Z	2	A
Size FS03 = 0603 FS05 = 0805 FS06 = 1206 FS10 = 1210	Voltage 16V = Y 25V = 3 50V = 5	Dielectric X7R = C	Capacitance Code (In pF) 2 Sig. Digits + Number of Zeros e.g. 10µF = 106	Capacitance Tolerance J = ±5% K = ±10% M = ±20%	Failure Rate A = Commercial 4 = Automotive Q = APS	Terminations Z = FLEXITERM™ X = FLEXITERM™ with 5% min lead	Packaging 2 = 7" Reel 4 = 13" Reel	Special Code A = Std. Product

FLEXISAFE X7R RANGE

Capacitance		0603			0805			1206			1210		
Code	nF	16	25	50	16	25	50	16	25	50	16	25	50
102	1												
182	1.8												
222	2.2												
332	3.3												
472	4.7												
103	10												
123	12												
153	15												
183	18												
223	22												
273	27												
333	33												
473	47												
563	56												
683	68												
823	82												
104	100												
124	120												
154	150												
224	220												
334	330												
474	470												

Qualified In Qualification