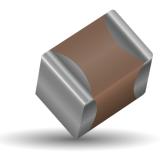
NASA Space Level BME X7R MLCC





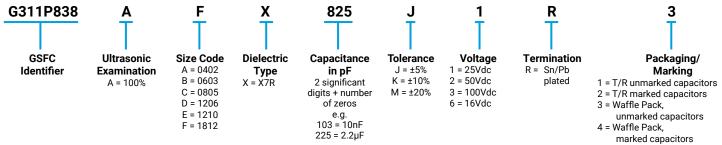


KYOCERA AVX is the first company to be awarded the NASA S311-P838 specification for its Space BME X7R MLCC technology. This technology delivers an advanced capacitance voltage capability compared to conventional PME (Precious Metal Electrode) technologies while meeting the reliability levels demanded by NASA's space industry. The technology has several key benefits, downsizing case sizes, reducing weight and allowing more efficient use of the PCB area available. The range is tested using Mil spec standards and methods including 100% ultrasonic examination in compliance with the NASA space specification. These surface mount components also incorporate Flexiterm®, which greatly enhances resistance to any of the mechanical stress experienced by MLCCs during PCB assembly and in operation.

FEATURES

- · Higher CV capability than standard capacitors resulting in reduced size / weight of components and saving in PCB space required.
- · Every production lot will have a C of C, DPA and a summary data package.
- Use of Flexiterm® technology for enhanced mechanical stress resistance.
- Case sizes: 0603 1812, cap values 2.2nF 8.2uF available.
- Voltages:16 100 Volts

HOW TO ORDER

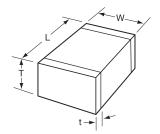


Please note all parts are terminated with a minimum 10% Pb plating.

DIMENSIONS

mm (inches)

Size	06	03	08	05	12	06	12	10	1812		
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
(L) Length	1.48	1.75	1.79	2.29	3.00	3.40	3.00	3.40	4.19	4.95	
	(0.058)	(0.069)	(0.070)	(0.090)	(0.118)	(0.134)	(0.118)	(0.134)	(0.165)	(0.195)	
(W) Width	0.66	0.97	1.01	1.45	1.40	1.80	2.25	2.70	2.79	3.56	
	0.026)	(0.038)	(0.040)	(0.057)	(0.055)	(0.071)	(0.088)	(0.108)	(0.115)	(0.140)	
(T) Thickness	1.02 (0.0	40) Max.	1.52 (0.0	60) Max.	1.80 (0.0	71) Max.	2.80 (0.1	10) Max.	2.80 (0.110) Max.		
(t) terminal	0.20	0.50	0.25	0.75	0.25	0.75	0.25	0.75	0.25	0.95	
	(800.0)	(0.020)	(0.010)	(0.030)	(0.010)	(0.030)	(0.010)	(0.030)	(0.010)	(0.037)	



NASA Space Level BME X7R MLCC





PREFERRED SIZES ARE SHADED

Size Code B (0603)			C (0805)				D (1206)				E (1210)				F (1812)					
Code			16 v 25 v 50v 100v																	
222	2.2 (nF)											1001								1001
272	2.7												ì				ì			
332	3.3																			
392	3.9																			
472	4.7																			
562	5.6																			
682	6.8																			
822	8.2																			
103	10																			
123	12																			
153	15																			
183	18																			
223	22																			
273	27																			
333	33																			
393	39																			
473	47																			
563	56																			
683	68																			
823	82																			
104	100																			-
124	120																			
154	150																			
184	180																			
224	220																			
274	270																			
334 394	330 390																			
474	470																			
564	560																			
684	680																			
824	820																			
105	1 uF																			
125	1.2																			
155	1.5																			
185	1.8																			
225	2.2																			
275	2.7																			
335	3.3																			
395	3.9																			
475	4.7																			
565	5.6																			
685	6.8																			
825	8.2																			
106	10 uF																			