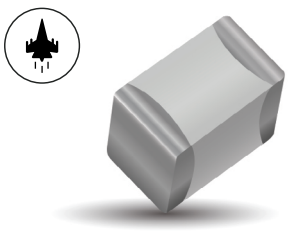
MIL PRF 32535 BME NPO MLCC

Defense Logistics Agency Approved



KYOCERA AVX has been approved by the Defense Logistics Agency (DLA) for its qualification of its Mil Prf 32535 BME NP0 MLCC technology. Using its leading edge technology KYOCERA AVX can now offer Mil Prf 32535 NP0 approved capacitors from 0402 to1210 case sizes with capacitance & voltage ranges ranging from 68 pF to 47000 pF, 4 -100 volts, currently. KYOCERA AVX Mil Prf 32535 NP0 meets the designer needs by boosting the CV range compared to the standard surface mount Mil Ranges and reduces the gap between commercial and Mil Spec product ranges while meeting the Mil reliability levels. The results of this technology has several key benefits for the Mil design engineer resulting in , ability to downsize case sizes, reducing PCB weight and allowing more efficient use of the PCB area available with the higher CV MLCCs. These surface mount components also incorporate Flexiterm®, which greatly enhances resistance to any of the thermo-mechanical stress experienced by MLCCs during PCB assembly and during its life time.

FEATURES

- "M" and 'T' reliability levels available.
- Higher CV capability than standard Mil based capacitors resulting in reduced size/weight of components and saving in PCB space required.
- Flexiterm® technology used as standard in range for enhanced thermo-mechanical stress resistance.
- Case sizes 0402 to 1210 currently, cap values 68 pF-47000 pF available.
- Dielectric characteristics E1 and BP
- Voltages 4 -100 Volts

HOW TO ORDER

M32535	03	E1	A	152	J	R	T	B
Mil Spec M32535	**Slash Sheet Number** 02 = 0402 03 = 0603 04 = 0805 05 = 1206 06 = 1210	**Characteristic** E1 = COG BP = BP	**Voltage** 4V = V 6.3V =W 10V = X 16V = Y 25V = Z 50V = A 100V = B	**Capacitance** First two digits represents significant figures and last digit for number of zeros to follow 152 = 1500 pf	**Tolerance** F = ±1% G = ±2% J = ±5% K = ±10%	**Termination** R = Epoxy Ni Sn/Pb	**Product Level** M = Standard T = Space Level	**Electrode** B = BME

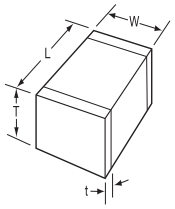
Packaging, Waffle as standard, for Tape and Reel add \1 to end of the part number, e.g. M3253503E1Z152KRTB\1

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

DIMENSIONS

mm (inches)

Size	M3253502 0402		M3253503 0603		M3253504 0805		M3253505 1206		M3253506 1210		M3253507 1812		M3253508 2220	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
(L) Length	0.92 (0.036)	1.12 (0.044)	1.45 (0.057)	1.75 (0.069)	1.79 (0.069)	2.26 (0.089)	3.00 (0.118)	3.45 (0.136)	2.94 (0.116)	3.45 (0.136)	4.19 (0.165)	4.80 (0.190)	5.2 (0.208)	6.1 (0.24)
(W) Width	0.41 (0.016)	0.61 (0.024)	0.66 (0.026)	0.97 (0.038)	1.01 (0.040)	1.52 (0.060)	1.35 (0.053)	1.85 (0.073)	2.25 (0.088)	2.74 (0.108)	2.89 (0.114)	3.50 (0.138)	4.59 (0.181)	5.41 (0.213)
(T) Thickness	0.61 (0.24) Max.		0.99 (0.039) Max.		1.52 (0.060)		1.78 (0.070) Max.		2.80 (0.110) Max.		2.80 (0.110) Max.		2.80 (0.110) Max.	
(t) terminal	0.1 (0.004)	0.30 (0.012)	0.20 (0.008)	0.61 (0.024)	0.25 (0.010)	0.75 (0.030)	0.15 (0.006)	0.86 (0.034)	0.15 (0.006)	0.86 (0.034)	0.15 (0.006)	1.1 (0.042)	0.17 (0.007)	1.09 (0.043)



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

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MIL PRF 32535 NPO APPROVED RANGE

Mil			M3253502					M3253503					M3253504					M3253505					M3253506				
Case Sizes			0402					0603					0805					1206					1210				
Code	Value	Cap Tol	4-10 V	16 V	25 V	50 V	100 V	4-10 V	16 V	25 V	50 V	100 V	4-10 V	16 V	25 V	50 V	100V	4-10 V	16 V	25 V	50 V	100V	4-10 V	16 V	25 V	50 V	100V
680	68 pF	F,G,J,K																									
820	82 pF	F,G,J,K																									
101	100 pF	F,G,J,K																									
121	120 pF	F,G,J,K																									
151	150 pF	F,G,J,K																									
181	180 pF	F,G,J,K																									
221	220 pF	F,G,J,K																									
271	270 pF	F,G,J,K																									
331	330 pF	F,G,J,K																									
391	390 pF	F,G,J,K																									
471	470 pF	F,G,J,K																									
561	560 pF	F,G,J,K																									
681	680 pF	F,G,J,K																									
821	820 pF	F,G,J,K																									
102	1000pF	F,G,J,K																									
122	1200pF	F,G,J,K																									
152	1500pF	F,G,J,K																									
182	1800pF	F,G,J,K																									
202	2000pF	F,G,J,K																									
222	2200pF	F,G,J,K																									
272	2700pF	F,G,J,K																									
332	3300pF	F,G,J,K																									
392	3900pF	F,G,J,K																									
472	4700pF	F,G,J,K																									
562	5600pF	F,G,J,K																									
622	6200pF	F,G,J,K																									
682	6800pF	F,G,J,K																									
822	8200pF	F,G,J,K																									
103	10000pF	F,G,J,K																									
123	12000pF	F,G,J,K																									
153	15000pF	F,G,J,K																									
183	18000pF	F,G,J,K																									
223	22000pF	F,G,J,K																									
273	27000pF	F,G,J,K																									
333	33000pF	F,G,J,K																									
393	39000pF	F,G,J,K																									
473	47000pF	F,G,J,K																									
563	56000pF	F,G,J,K																									
683	68000pF	F,G,J,K																									
823	82000pF	F,G,J,K																									

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