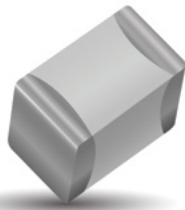


MIL PRF 32535 BME NPO MLCC

Defense Logistics Agency Approved



KYOCERA AVX has been approved by the Defense Logistics Agency (DLA) for its qualification of its Mil Prf 32535 BME NPO MLCC technology. Using its leading edge technology KYOCERA AVX can now offer Mil Prf 32535 NPO approved capacitors in 0402,0603,0805 case sizes with capacitance & voltage ranges ranging from 68 pF to 1500 pF, 10 –100 volts, currently. KYOCERA AVX Mil Prf 32535 NPO 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 0402-0603-0805 currently, cap values 68pF–1500 pF available.
- Voltages 4 -100 Volts

HOW TO ORDER

M32535	03	E1	A	152	K	R	T	B
Mil Spec M32535	Slash Sheet Number 02 = 0402 03 = 0603 04 = 0805 05 = 1206 06 = 1210 07 = 1812 08 - 2220	Characteristic E1 COG 0±30ppm/°C	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

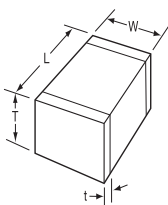
Packaging, Waffle as standard, for Tape and Reel add \1 to end of the part number, e.g. M3253503E1Z152KRTB\1

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

DIMENSIONS

mm (inches)

Size	M3253502		M3253503		M3253504		M3253505		M3253506		M3253507		M3253508	
	0402		0603		0805		1206		1210		1812		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)



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MIL PRF 32535 NPO APPROVED RANGE

Mil			M3253502					M3253503					M3253504				
Case Sizes			0402					0603					0805				
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	100 V
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															