

# Microwave MLC's



## SQ A Case & B Case Ultra Low ESR MLC



### FEATURES:

- Low ESR
- High Q
- High Self Resonance
- Capacitance Range 0.1 pF to 5100 pF
- 175°C Capability SQCB

### APPLICATIONS:

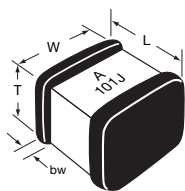
- RF Power Amplifiers
- Low Noise Amplifiers
- Filter Networks
- MRI Systems

### HOW TO ORDER

<p><b>SQ</b></p> <p>AVX Style</p>	<p><b>CB</b></p> <p><b>Case Size</b> CA = * CB = *</p> <p>* See mechanical dimensions below</p>	<p><b>7</b></p> <p><b>Voltage Code</b> 5 = 50V 1 = 100V E = 150V 2 = 200V V = 250V 9 = 300V 7 = 500V</p>	<p><b>M</b></p> <p><b>Temperature Coefficient Code</b> M = +90±20ppm/°C A = 0±30ppm/°C C = 15% ("J" Termination only)</p>	<p><b>100</b></p> <p><b>Capacitance</b> EIA Capacitance Code in pF. First two digits = significant figures or "R" for decimal place. Third digit = number of zeros or after "R" significant figures.</p>	<p><b>J</b></p> <p><b>Capacitance Tolerance Code</b> B = ±.1 pF C = ±.25 pF D = ±.5 pF F = ±1% G = ±2% J = ±5% K = ±10% M = ±20% N = ±30%</p>	<p><b>A</b></p> <p><b>Failure Rate Code</b> A = Not Applicable</p>	<p><b>T</b></p> <p><b>Termination Style Code</b> **1 = Pd/Ag **7 = Ag/Ni/Au J = Nickel Barrier Sn/Pb (60/40) **T = 100% Tin H = Cu/Sn (Non-Magnetic)</p> <p>**RoHS Compliant</p>	<p><b>1A</b></p> <p><b>Packaging Code</b> 1A = 7" Reel Unmarked 6A = Waffle Pack Unmarked ME = 7" Reel Marked WE = Waffle Pack Unmarked</p> <p>* Vertical T&amp;R available * 500 piece reels available</p>
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6

### MECHANICAL DIMENSIONS: inches (millimeters)



Case	Length (L)	Width (W)	Thickness (T)	Band Width (bw)
SQCA*	.055 + .015 - .010 (1.40+ .381 -.254)	.055±.015 (1.40±.381)	.020/.057 (.508/1.45)	.010 + .010 - .005 (.254 +.254 -.127)
SQCB*	.110 + .020 - .010 (2.79 +.508 -.254)	.110±.010 (2.79±.254)	.030/.102 (.762/2.59)	.015±.010 (.381±.254)

**TAPE & REEL:** All tape and reel specifications are in compliance with EIA RS481 (equivalent to IEC 286 part 3).

- 8mm carrier
- 7" reel: SQCA/SQCB = 2000 pcs (500 piece reels SQCA SQCB)

### WAFFLE PACK

- SQCA 100 pcs
- SQCB 80 pcs



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