

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:

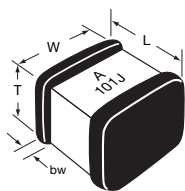
- RF Power Amplifiers
- Low Noise Amplifiers
- Filter Networks
- MRI Systems

HOW TO ORDER

| | | | | | | | | |
|-----------------------------------|---|--|---|--|---|--|--|---|
| <p>SQ</p> <p>AVX Style</p> | <p>CB</p> <p>Case Size CA = * CB = *</p> <p>* See mechanical dimensions below</p> | <p>7</p> <p>Voltage Code 5 = 50V 1 = 100V E = 150V 2 = 200V V = 250V 9 = 300V 7 = 500V</p> | <p>M</p> <p>Temperature Coefficient Code M = +90±20ppm/°C A = 0±30ppm/°C C = 15% ("J" Termination only)</p> | <p>100</p> <p>Capacitance 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>J</p> <p>Capacitance Tolerance Code B = ±.1 pF C = ±.25 pF D = ±.5 pF F = ±1% G = ±2% J = ±5% K = ±10% M = ±20% N = ±30%</p> | <p>A</p> <p>Failure Rate Code A = Not Applicable</p> | <p>T</p> <p>Termination Style Code **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>1A</p> <p>Packaging Code 1A = 7" Reel Unmarked 6A = Waffle Pack Unmarked ME = 7" Reel Marked WE = Waffle Pack Unmarked</p> <p>* Vertical T&R available * 500 piece reels available</p> |
|-----------------------------------|---|--|---|--|---|--|--|---|

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

