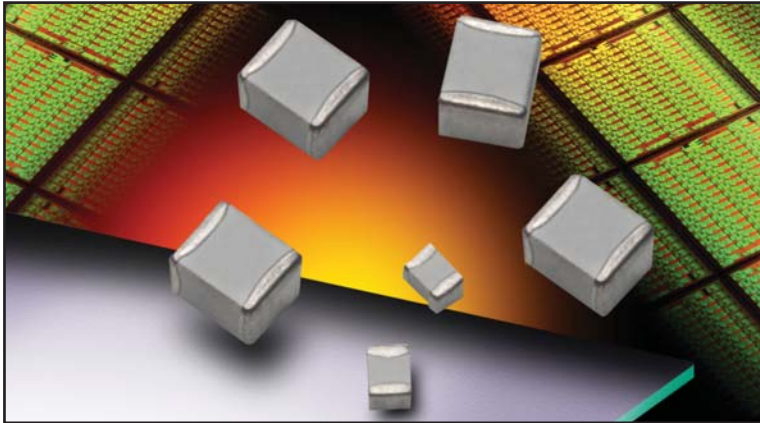


Microwave MLC's



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

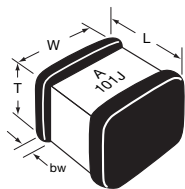
APPLICATIONS:

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

HOW TO ORDER

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



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

AVX:

<u>SQCAEM910JAJME/500</u>	<u>SQCAEA102JAJME/500</u>	<u>SQCA5A102JAJME</u>	<u>SQCAEM0R1BAJME</u>	<u>SQCAEM0R2BAJME</u>
<u>SQCAEM0R4BAJME</u>	<u>SQCAEM0R5BAJME</u>	<u>SQCAEM0R8BAJME</u>	<u>SQCAEM100FAJME</u>	<u>SQCAEM1R0BAJME</u>
<u>SQCAEM1R2BAJME</u>	<u>SQCAEM1R5BAJME</u>	<u>SQCAEM1R6BAJME</u>	<u>SQCAEM1R8BAJME</u>	<u>SQCAEM2R2BAJME</u>
<u>SQCAEM2R4BAJME</u>	<u>SQCAEM2R7BAJME</u>	<u>SQCAEM3R0BAJME</u>	<u>SQCAEM3R9BAJME</u>	<u>SQCAEM470JAJME</u>
<u>SQCAEM560JAJME</u>	<u>SQCAEM6R8BAJME</u>	<u>SQCB7M100JA1ME</u>	<u>SQCAEM680FAJME</u>	<u>SQCAEM470FAJME</u>
<u>SQCB5A751FAJME</u>	<u>SQCAEM101GAJME</u>	<u>SQCAEM270FAJME</u>	<u>SQCAEM560FAJME</u>	<u>SQCAEM300FAJME</u>
<u>SQCB5A182KAJME</u>	<u>SQCB7A1R0BAJME</u>	<u>SQCB7A100GAJME</u>	<u>SQCB7A130GAJME</u>	<u>SQCB7A150GAJME</u>
<u>SQCB7A180GAJME</u>	<u>SQCB7A240GAJME</u>	<u>SQCB7A270GAJME</u>	<u>SQCB7A360GAJME</u>	<u>SQCB7A390GAJME</u>
<u>SQCAEM150GAJME</u>	<u>SQCB7M0R5BATWE</u>	<u>SQCB7M1R0BATWE</u>	<u>SQCB7M100JATWE</u>	<u>SQCB7M220JATWE</u>
<u>SQCB7M6R2BATWE</u>	<u>SQCB7M8R2JATWE</u>	<u>SQCAEM180GAJME</u>	<u>SQCAEM560GAJME</u>	<u>SQCBEA561JAJME</u>
<u>SQCB2A241FAJME</u>	<u>SQCAEM4R7BAJME</u>	<u>SQCAEM6R2BAJME</u>	<u>SQCAEM240FAJME</u>	<u>SQCAEM820GAJME</u>
<u>SQCB5A102KAJME</u>	<u>SQCBEA751FAJME</u>	<u>SQCB7M100FATME</u>	<u>SQCA5A121FAJME</u>	<u>SQCA5A121JAJME</u>
<u>SQCA5A241FAJWE</u>	<u>SQCA5A391GAJWE</u>	<u>SQCA5C103KAJWE</u>	<u>SQCAEA101GAJWE</u>	<u>SQCAEA101JAJWE</u>
<u>SQCAEA121FAJWE</u>	<u>SQCAEA1R3CAJWE</u>	<u>SQCAEA2R2CAJWE</u>	<u>SQCAEA2R7CAJWE</u>	<u>SQCAEA360JAJWE</u>
<u>SQCAEA390FAJWE</u>	<u>SQCAEA390GAJWE</u>	<u>SQCAEA390JAJWE</u>	<u>SQCAEA3R0CAJME</u>	<u>SQCAEA5R6CAJWE</u>
<u>SQCAEA820GAJWE</u>	<u>SQCAEA820JAJME</u>	<u>SQCAEA8R2BAJWE</u>	<u>SQCAEM0R1BAJWE</u>	<u>SQCAEM0R2BAJWE</u>
<u>SQCAEM0R3BAJME</u>	<u>SQCAEM0R3BAJWE</u>	<u>SQCAEM0R3CAJWE</u>	<u>SQCAEM0R4BAJWE</u>	<u>SQCAEM0R4CAJWE</u>
<u>SQCAEM0R5BAJWE</u>	<u>SQCAEM0R5CAJWE</u>	<u>SQCAEM0R6BAJME</u>	<u>SQCAEM0R6BAJWE</u>	<u>SQCAEM0R6CAJWE</u>
<u>SQCAEM0R7BAJME</u>	<u>SQCAEM0R7BAJWE</u>	<u>SQCAEM0R7CAJWE</u>	<u>SQCAEM0R8BAJWE</u>	<u>SQCAEM0R8CAJWE</u>
<u>SQCAEM0R9BAJME</u>	<u>SQCAEM0R9BAJWE</u>	<u>SQCAEM0R9CAJWE</u>	<u>SQCAEM100FAJWE</u>	<u>SQCAEM100JAJME</u>