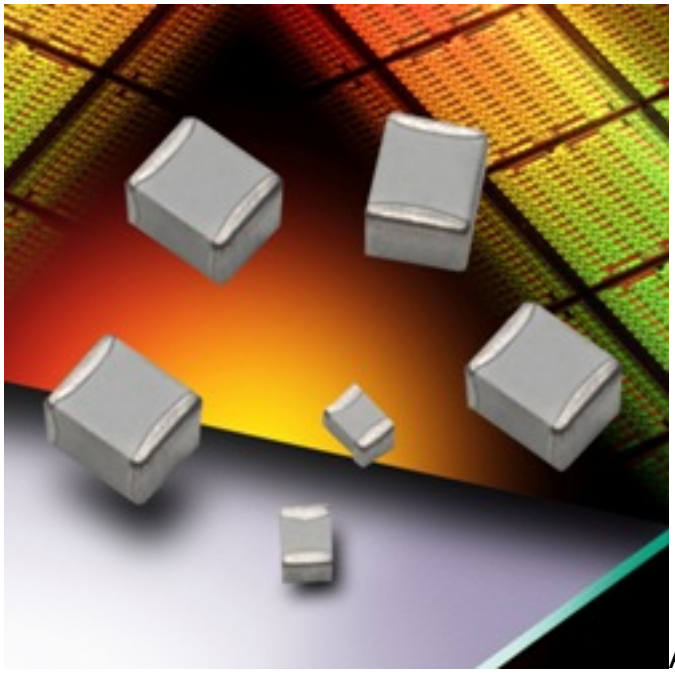
Capacitor Chips Offer Non-Magnetic Termination



AVX, a leading manufacturer of advanced passive components and interconnect solutions, has expanded its porcelain and ceramic dielectric multilayer capacitor (MLC) chip product offering to include non-magnetic termination versions. Designated the SQ Series, the RF capacitor series is rated at 50VDC to 500VDC with capacitance values ranging from 0.1pF to 1000pF. Ideal for medical devices such as MRI coils, the SQ Series offers low ESR, high Q, high current and high self-resonance frequency values.

"The SQ Series capacitors are constructed using a fine-grained porcelain dielectric with palladium internal electrodes. It is this combination of high density and high purity dielectric materials that enables the SQ Series to keep moisture out. This advanced design allows for as much as 40 percent lower equivalent series resistance than other MLC versions," said Larry Eisenberger, senior field applications engineer at AVX.

With these high performance materials and design, along with its high current carrying capabilities and high quality factors, the SQ Series capacitors offer superior stability under the stresses of changing voltage, frequency, time and temperature.

The SQ Series capacitors are rated for operation between -55ºC to 125ºC and features P90 and NPO characteristics, as well as a 100% tin finish. The SQ Series capacitors are available in 0603, 0605,
0805 and 1210 case sizes.

Typical pricing for the SQ Series RF capacitors vary from $0.10 to $1.50 in quantity with an 8-week lead-time.

For more information on the SQ Series capacitors, contact AVX at One AVX

Boulevard, Fountain Inn, S.C. 29644; by calling 864-967-9304; or on the Web at www.avx.com [1].

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[1] http://www.avx.com