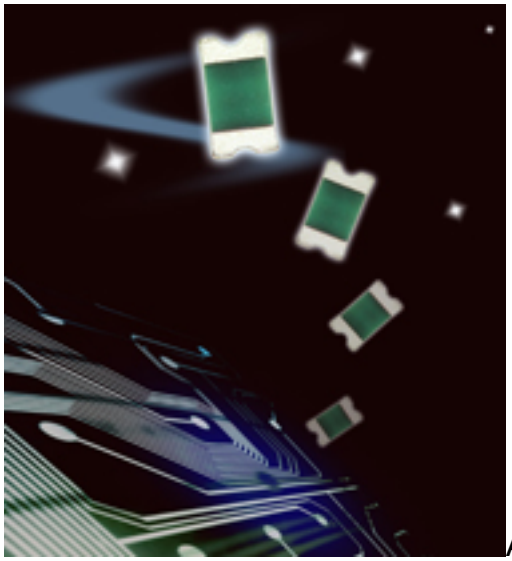
High-Quality Multilayer Organic Capacitors



AVX Corporation, a manufacturer of advanced passive components and interconnect solutions, has developed a 500 and 250VDC, 0603 case size surface mount capacitor capable of supporting frequencies ranging from 1 MHz to well above 5 GHz.
Designated the MLO3 Series, the advanced organic RF capacitors maintain high Q and high self-resonance while providing low ESR values at high frequencies. Based on AVX's patented multilayer low-loss organic (MLO™) technology, the polymer-based organic capacitors use high-conductivity copper interconnects in a multilayer fashion.

The ability to fabricate these components on large area substrates with sophisticated laser-direct imaging yields low profile, low ESR, and high-performance RF capacitors with improved cost benefits and tolerance control. Additionally, AVX's MLO™ Capacitors are expansion matched to printed circuit boards for improved reliability.

The RoHS-compliant RF capacitors are rated for 50-500VDC, and feature capacitance values ranging from 0.1 pF to 2.5 pF and capacitance tolerance to +/- 0.02 pF. Available in 0603 case size with a 100% tin finish, the MLO3 Series features stable NPO characteristics and an operating temperature range of -55°C to +125°C.

AVX's MLO3 Series surface mount capacitors are ideal for usage in RF power and low noise amplifiers, filter networks, and MRI systems.

For more information, please visit www.avx.com [1]

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