Ultra-miniature chip capacitor series designed for the RF and microwave communications market

AVX Corporation has introduced a new series of ultra-miniature chip capacitors for the RF and microwave communications market. Featuring copper electrodes in place of standard precious metal electrodes, the new CU Series chip capacitors provide extremely low ESR, high Q, and tight tolerances. Available in 01005 and 0201 case sizes, the new copper electrode chip capacitors are ideal for applications including power amplifiers, handheld devices, GPS, vehicle location systems, and matching networks for wireless LANs.

“Equipped with copper instead of precious metal electrodes, the new CU Series capacitors provide ultra low ESR and high Q, both of which are critical in communications applications,” said Larry Eisenberger, product manager at AVX.

AVX’s new CU Series chip capacitors are composed of C0G (NP0) temperature-compensating EIA Class I ceramic materials, one of the most stable dielectrics available, and feature lead-free, nickel and tin-plated terminations. The temperature coefficient of capacitance for the series is 0±30ppm/°C from -55° to +125°C. Capacitance value and working voltage vary by case size. The 01005 CU Series capacitors have a capacitance value range of 0.5 – 6.2pF and a working voltage of 16VDC, and the 0201 capacitors have a capacitance value of 0.5 – 22pF and a working voltage of 25VDC.

For more information, please visit www.avx.com [1], call 864-967-2150, or write to

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