

API Delevan Announces the Launch of the C0603 Series of Wirewound Chip Inductors for use in Commercial Applications.

Continuing to innovate using their extensive Aerospace & Defense knowledge and design expertise, API Delevan has created the highest reliability commercial grade wirewound inductor available in the marketplace today.

East Aurora, NY, June 23, 2016: API Delevan has extended its 0603-sized family of wirewound, surface-mount chip inductors with the release of the C0603 series for use in commercial applications.

Manufactured and tested in the USA, the C0603 inductors feature ultra-high Self Resonant Frequencies (SRF) and high Q factors for stable inductor functionality into the multi-GHz range. The C0603 series offers SRF ranging from 600 MHz to 8500 MHz over an inductance range of 1.6 nH to 390 nH and improved minimum Q factor values from 40 to 13.

Designed with gold plated nickel terminations, high-temperature ceramic cores and magnet wire for excellent temperature stability and mechanical ruggedness, the new C0603 inductors are rated for an operating temperature range of $-40\text{ }^{\circ}\text{C}$ to $+125\text{ }^{\circ}\text{C}$ and are AEC-Q200 Grade 1 compliant.

"The C0603 not only satisfies the market demand for ultra-small products to minimize board space, but continues to add depth to our 0603 case size offerings, which currently includes a M83446/36 QPL product." said Kevin Heffler, General Manager of API Delevan. "With our extensive Aerospace and Defense pedigree, proprietary winding and bonding techniques, and specialty outgassing materials, the C0603 is guaranteed to be the most reliable and rugged commercial inductor of this size currently available today."

Samples and production quantities of the C0603 inductors are now available.

API Delevan, an ISO9001:2008 & AS9100C certified company, is a global leader in the manufacture and development of coil winding electronic technologies and continues to maintain the industry's most extensive offering of High Reliability and Military QPL products. API Delevan specializes in markets that demand technical innovation & performance, while providing superior engineering expertise, solutions and service.

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