Gowanda, N.Y. (USA) - Gowanda Electronics, a designer and manufacturer of precision electronic components for broadband radio frequency and power applications, announces the introduction of several High Performance RF Surface Mount Inductor Series. Recent advancements in the company’s design technology and manufacturing capability deliver significant improvement – nearly 2x or more – in SRF and Current Ratings for these new inductors as compared to traditional molded designs with equivalent inductance. The first six series – CC4H1008, CF4H1008, CC4H1210, CF4H1210, CC4H1812 and CF4H1812 – will be featured at the 2018 International Microwave Symposium (IMS2018) being held in Philadelphia, Pennsylvania from June 12 to 14. Visit Gowanda’s booth #1735 for more information.

These series were developed to address market needs and industry trends calling for ever-increasing performance from RF SMT inductor components. These CC4H (ceramic core) and CF4H (ferrite core) series were designed for use in radio frequency applications in commercial, medical and military markets. That includes use in communication, guidance, security, radar, and test & measurement applications.

The performance ranges provided by these six new wirewound series include inductance from 0.0082 µH to 1000 µH, Q min from 30 to 75, SRF MHz min from 2 to 4000, DCR ohms max from 0.060 to 30 and current rating mA DC from 96 to 2430. Series-specific data ranges are provided in the table below. Operating temperature range is -55°C to +125°C for all series. More technical information is available on each series at the company’s website.

Go to http://www.gowanda.com/standard-products.html#rf-surface-mount to navigate to each series page where series data, mechanical features, performance graphs, datasheets and other information is provided.

For information regarding pricing, delivery, application-specific designs, higher reliability or upscreening to MIL-PRF-83446 or MIL-STD-981 requirements, please contact Gowanda Electronics at USA +1-716-532-2234 or sales@gowanda.com.

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