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New Surface Mount Inductors to be Featured at APEC Power Conference

Gowanda's SMP2512 Series Addresses Market Need for Specific Size & Performance

13 March 2015, Gowanda, NY (USA) - Gowanda Electronics, a US-based designer and manufacturer of precision electronic components for power and radio frequency applications announces the introduction of its SMP2512 Series of surface mount, wirewound, ferrite core, molded power inductors. This new series addresses a market need for a specific combination of size and performance in the power electronics industry. This series will be featured at APEC 2015, the Applied Power Electronics Conference, being held in Charlotte, North Carolina (USA), March 16-18, 2015. Please visit Gowanda at Booth #237 for additional information.

Gowanda Electronics' SMP2512 Series is designed for use in power applications for specific surface mount size – nominally 0.25 inch L x 0.10 inch W – and current rating performance – 0.26 to 1.64 DC A for an inductance range of 1 to 100 uH. These power inductors are epoxy-encapsulated for environmental protection and superior strength to withstand all types of reflow soldering.

The SMP2512 Series is specifically targeted for use in DC/DC converters and switching regulated power supplies. The rugged construction enables the SMP2512 inductors to be used in these applications as well as in many other power supply applications where current handling capability and durability are important.

Specific applications include microprocessor and distributed power applications – including power supplies, power regulators and DC to DC converters – especially in automotive electronics, industrial process control equipment, medical diagnostic equipment and test & measurement equipment. Other applications include use in bar code, instrumentation, laboratory analysis equipment and security systems.

Technical specifications for products in Gowanda's SMP2512 inductor series include: Inductance from 1 to 100 uH with 5%, 10% or 20% tolerance, DCR Ohms max from 0.15 to 6.0, Current Ratings from 0.26 to 1.64 DC A and Saturation Current from 0.195 to 1.23 DC A. Operating temperature range is -55°C to +125°C. Both Pb and RoHS (lead-free) versions are available. Inductors are provided via tape and reel packaging for ease of use in surface mount assembly operations.

Gowanda Electronics also offers custom designs in the SMP2512 Series in order to meet the specific requirements of an application. For design details or custom requirements contact Gowanda at +1-716-532- 2234 or email sales@gowanda.com.

The SMP2512 Series provides a dimensional size that is in between that of the company's SMP1812 and SMP3013 offerings. More information about all of these wirewound, molded power series is available at gowanda.com.

Helpful links:

- [Gowanda SMP2512 Series Information: http://www.gowanda.com/catalog/standard/smp2512-detail.html](http://www.gowanda.com/catalog/standard/smp2512-detail.html)
- [Gowanda SMP2512 Data Sheet: http://www.gowanda.com/images/files/Gowanda_SMP2512_Datasheet_03052015.pdf](http://www.gowanda.com/images/files/Gowanda_SMP2512_Datasheet_03052015.pdf)
- [Gowanda Standard, Power, Surface Mount Inductors - for SMP series scroll down to wirewound, molded: http://www.gowanda.com/standard-products.html#power-surface-mount](http://www.gowanda.com/standard-products.html#power-surface-mount)

For design details, pricing, delivery, application-specific variations, upscreens and/or partnering opportunities please contact Gowanda Electronics at USA +1-716-532-2234 or sales@gowanda.com.

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