



Contact: Denis Kohlhagen,
Director of Sales
716-532-2234; fax 716-532-2702
dkohlhagen@gowanda.com
www.gowanda.com

Gowanda is First in Industry to Offer 0603/0805 QPL RF Chip Inductors

MLRF0603 & MLRF0805 Series Address Market Need for Military Qualification to MIL-PRF-83446

9 January 2012, Gowanda, NY (USA) - Gowanda Electronics, a US-based designer and manufacturer of precision electronic components for power and radio frequency applications, announced that the company recently achieved qualification to the military's MIL-PRF-83446 (/36A and /37A) for its MLRF0603 and MLRF0805 series of RF surface mount wirewound ceramic core chip inductors. These are the first series in the industry to address the market need for Qualified Product List (QPL) inductors which meet this particular Department of Defense specification.

Gowanda's MLRF0603 Series is QPL approved to MIL-PRF-83446/36A and provides inductance from 1.8 to 270 nH, Q Min from 16 to 40, SRF MHz Min from 600 to 6000, DCR Ohms Max from .07 to 1.78 and Current Rating DC mA from 195 to 1000. The MLRF0805 Series is qualified to MIL-PRF-83446/37A and provides inductance from 2.2 to 2200 nH, Q Min from 15 to 65, SRF MHz Min from 40 to 6000, DCR Ohms Max from .08 to 5 and Current Rating DC mA from 140 to 1000. Both series are wirewound coils with ceramic cores and gold terminations. Operating temperature for each series is -55°C to +125°C. The inductors are available in tape and reel and are suitable for reflow soldering. (See links to technical information below)

Gowanda Electronics' proprietary epoxy capping technique provides uniform dimensional stability for pick-and-place assembly and assures environmental and mechanical protection of the coil.

The MLRF0603 and MLRF0805 Series are designed for RF applications in military, aerospace and defense communities. This includes use in communication, guidance and security applications, as well as in radar, test & evaluation and special mission applications. These series can also be used in other high frequency applications around the world where the rigorous testing associated with these QPL-approved inductors makes them desirable for high reliability (hi rel) designs.

Technical information about the MLRF0603 and MLRF0805 Series is available at the company's website:

- Data Sheets:
 - MLRF0603 – www.gowanda.com/files/MLRF0603.pdf
 - MLRF0805 – www.gowanda.com/files/MLRF0805.pdf
- Product Information:
 - MLRF0603 – www.gowanda.com/products_qpl/series.asp?o=4&a=7&c=11&sc=77&s=MLRF0603
 - MLRF0805 – www.gowanda.com/products_qpl/series.asp?o=4&a=7&c=11&sc=77&s=MLRF0805
- QPL RF Surface Mount Inductor Product Line:
 - Series Summary – www.gowanda.com/products_qpl/rf_surface_mount.asp

Gowanda introduced these two QPL Series in response to market demand for a QPL-approved inductor supplier for smaller size, high frequency applications. This action aligns with the company's previous announcement regarding its commitment to the development and introduction of QPL products which address the needs of military and aerospace markets. Several QPL products have been introduced since that announcement and more are anticipated. (See helpful website links next page.)

continued . . .

Gowanda Electronics, News Release, 9 January 2012, p. 2

Gowanda Electronics can offer variations to these designs in order to meet the specific requirements of a particular application. The pursuit of QPL approval for such customer-specific designs depends on volume and other factors. Additionally Gowanda can upscreen a standard design from a commercial product line using the company's in-house environmental testing lab to fulfill customer reliability requirements. Gowanda will also consider inquiries from companies looking for partnering opportunities to address specific QPL needs.

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

Helpful website links:

- Gowanda's QPL Offerings (current/intended): www.gowanda.com/technical_library/qpl_progress.asp.
- Gowanda's in-house environmental test capabilities: www.gowanda.com/capabilities/environmental_lab.asp.
- Gowanda's news releases about recently introduced products: www.gowanda.com/company/news.asp.
- QPL and Defense Logistics Agency (formerly DSCC) info: <http://www.landandmaritime.dla.mil/>
- MIL-PRF-83446 details:
 - Slash 36A www.landandmaritime.dla.mil/Downloads/MilSpec/Docs/MIL-PRF-83446/prf83446ss36.pdf
 - Slash 37A www.landandmaritime.dla.mil/Downloads/MilSpec/Docs/MIL-PRF-83446/prf83446ss37.pdf

**Please Note: these new series were initially referred to as ML0603 and ML0805; they are now referred to as MLRF0603 and MLRF0805. This news release has been updated accordingly.*

###