GOWANDA® ELECTRONICS

NEWS RELEASE

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Gowanda Expands Broadband Conical Product Line

New Surface Mount and Flying Lead Configurations Enhance Utility

Gowanda, N.Y. (USA) - Gowanda Electronics, a designer and manufacturer of precision electronic components for broadband radio frequency and power applications, announces an expansion of its broadband conical product line. The new broadband microwave RF conical inductors – C102 & C182 – are available in Surface Mount (SM) and Flying Lead (FL) configurations to enhance utility in the electronics design community.

Gowanda's new series were developed to address market needs and industry trends calling for ever-increasing performance from broadband conical components. They are designed for use in communication applications for bias T's (filter signals, remove noise), broadband chip manufacturing, communication platforms, high frequency, microwave circuitry, RF test set-ups, test & measurement, test gear, test instrumentation and transmission amplifiers.

The performance ranges provided by these new wirewound conical series - C102FL, C102SM, C182FL and C182SM – include inductance from 0.47 μH to 10.7 μH, DCR ohms from 0.19 to 7.10 and current rating mA DC from 150 to 815. Series-specific data ranges are provided in the table below. A Conical Data Summary provides technical data for all the series in one pdf. All four series have been outgassing tested per ASTM E595 and meet the TML requirement of 1.0% max. Operating temperature range is -55°C to +125°C for all series. Terminations are gold and RoHS compliant. Please contact Gowanda for application-specific designs.

Performance Range for Gowanda's Newest Broadband Conicals

Gowanda Series	L µH @ 1 MHz	DCR Ohms	Current Rating mA DC
C102FL	0.47 - 3.8	0.19 - 3.70	182 - 815
C102SM	0.47 - 3.8	0.19 - 3.70	182 - 815
C182FL	1.47 - 10.7	0.33 - 7.10	150 - 694
C182SM	1.47 - 10.7	0.33 - 7.10	150 - 694

More technical information is available on each series at the company's website. Please go to http://www.gowanda.com/broadband-products.html#rf-flying-lead to navigate to the Flying Lead series; go to http://www.gowanda.com/broadband-products.html#rf-surface-mount to access the Surface Mount series. Each series page provides series data, mechanical features, datasheets and other information. Helpful links are also included below.

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As with Gowanda's previously introduced conicals – including the company's High Current Conicals with Current Ratings up to 10 Amps introduced earlier this year – these new series offer excellent robust construction to assure predictable frequency response and repeatable RF performance. The unique broadband response of the coil is attributed to its precision winding, wire selection and coil configuration.

This expansion of Gowanda's conical product line leverages the company's proprietary production processes, extensive design experience, and custom capability expertise to deliver high performance, cost-effective, standard and custom broadband solutions to address the needs of the global electronic design community.

For more information regarding pricing, and delivery or for assistance with surface mount and application-specific designs please contact Gowanda Electronics at +1-716-532-2234 or sales@gowanda.com.

Helpful Links:

- Conical Data - for all four series in one pdf:
  - Summary - http://www.gowanda.com/pdfs/Gowanda-DataSummary-New-Broadband-Conicals-C102-C182.pdf
- Series Information
  - C102FL - http://www.gowanda.com/catalog/broadband/c102fl-detail.html
  - C102SM - http://www.gowanda.com/catalog/broadband/c102sm-detail.html
  - C182FL - http://www.gowanda.com/catalog/broadband/c182fl-detail.html
  - C182SM - http://www.gowanda.com/catalog/broadband/c182sm-detail.html
- Series Datasheets
  - C102FL - http://www.gowanda.com/images/files/GEC-C102FL-RevIssue.pdf
  - C102SM - http://www.gowanda.com/images/files/GEC-C102SM-RevIssue.pdf
  - C182FL - http://www.gowanda.com/images/files/GEC-C182FL-RevIssue.pdf
  - C182SM - http://www.gowanda.com/images/files/GEC-C182SM-RevIssue.pdf

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Note: if datasheet links do not work correctly (due to updating of pdf files) please use the Series Information links to navigate to current pdfs