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Broadband Conicals with Current Rating up to 10 Amps will Launch at OFC

Gowanda’s Design Provides Highest DC Current Handling Capability in the Industry

Gowanda, N.Y. (USA) - [Gowanda Electronics](http://www.gowanda.com), a designer and manufacturer of precision electronic components for broadband radio frequency and power applications, announces the introduction of new broadband microwave RF conical inductors that provide DC current handling up to 10 Amps - the highest level in the industry - and low insertion loss. The four new series – C305FL, C550FL, C750FL and C1000FL – expand Gowanda’s conical offerings and will be featured at the 2019 Optical Networking and Communication Conference & Exhibition ([OFC](#)) being held in San Diego, California from March 5 to 7. Visit Gowanda Components Group booth #5417 for more information.

These flying lead series were developed to address market needs and industry trends calling for ever-increasing performance from broadband conical components. Gowanda’s new series will be utilized 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 four new wirewound conical series include inductance from 0.30 μ H to 22 μ H (TYP), Q from 30 to 66 (TYP), DCR ohms MAX from 0.02 to 0.265 and current rating mA DC from 1300 to 10500. Series-specific data ranges are provided in the table below. A [Conical Data Summary](#) pdf summarizes the data for the series. 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. Standard terminations and gold terminations are RoHS compliant; please contact factory for Pb terminations.

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 each series page where series data, mechanical features, datasheets and other information is provided. Helpful links are also included below.

Performance Range for New High Current Broadband Conicals

Gowanda Series	L μ H @ 10 MHz TYP	Q @ 100 MHz TYP	DCR Ohms MAX	Current Rating mA DC
C305FL	0.3 - 1.0	38 - 41	0.02 - 0.125	1300 - 7200
C550FL	1.2 - 6.8	47 - 66	0.02 - 0.125	2200 - 10500
C750FL	2.5 - 16.0	47 - 60	0.02 - 0.265	2200 - 8100
C1000FL	5.0 - 22.0	30 - 48	0.03 - 0.215	2700 - 7700

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As with Gowanda's previously introduced conicals, 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 Summary (all four series)
 - <http://www.gowanda.com/pdfs/Gowanda-DataSummary-HighCurrent-Broadband-Conicals.pdf>
- Series Information
 - C305FL - <http://www.gowanda.com/catalog/broadband/c305fl-detail.html>
 - C550FL - <http://www.gowanda.com/catalog/broadband/c550fl-detail.html>
 - C750FL - <http://www.gowanda.com/catalog/broadband/c750fl-detail.html>
 - C1000FL - <http://www.gowanda.com/catalog/broadband/c1000fl-detail.html>
- Series Datasheets
 - C305FL - http://www.gowanda.com/images/files/Gowanda_C305FL_Datasheet-RevIssue.pdf
 - C550FL - http://www.gowanda.com/images/files/Gowanda_C550FL_Datasheet-RevIssue.pdf
 - C750FL - http://www.gowanda.com/images/files/Gowanda_C750FL_Datasheet-RevIssue.pdf
 - C1000FL - http://www.gowanda.com/images/files/Gowanda_C1000FL_Datasheet-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