

New Product Announcement from ATC and Richardson RFPD

506WLC Series Ultra-Broadband Inductors Now Available from ATC and Richardson RFPD

Unique shape provides maximum inductance for volumetric efficiency and easier handling

May 12, 2011, Huntington Station, NY--ATC is pleased to introduce the 506WLC Series Ultra-Broadband Inductors.

This unique component has been designed and manufactured with the highest quality materials to provide reliable and repeatable ultra-broadband performance through 40+ GHz. These inductors provide ultra low insertion loss, flat frequency response and an excellent match over multiple octaves of frequency spectrum.

The distinctive pyramid shape of 506WLC provides maximum inductance in the space available. This shape is easy to handle during hand soldering operations. These inductors are well suited for a myriad of circuit-level and system-level RF and microwave applications.

The 506WLC has been engineered with a powdered iron (ferrite) core and gold plated terminations. Its superior broadband performance and reliability make it ideal for high speed optical data systems, trans-impedance amplifiers and broadband test equipment applications, to name a few.

ATC has partnered with Richardson RFPD to be the world-wide exclusive distributor for the 506WLC Series Inductors. Please visit www.atceramics.com or www.richardsonrfpd.com for additional information.

Typical Applications:

- Ultra-Broadband DC Coupling Networks
- Ultra-Broadband Bias Tee
- High-speed Digital Logic Circuits

Features:

- Inductance: 2.0 μ H, 6.0 μ H and 11 μ H
- Operating Frequency Range: 500 KHz through GHz
- Insertion Loss: 0.5 dB typical
- Return Loss: -20 dB typical
- Low DC Resistance
- RoHS Compliant

Advantages:

- Ultra-Broadband Performance
- Ultra-low Insertion Loss
- Flat Frequency Response
- Excellent Return Loss through 40+ GHz
- Unit-to-Unit Performance Repeatability
- Rugged Powdered Iron Ferrite Core

To obtain samples and additional product information contact ATC or Richardson RFPD

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