

New Product Announcement from ATC

New 506WLS Series Ultra-Broadband Surface Mount (SMT) Inductors

September 21, 2012, Huntington Station, NY--ATC is pleased to introduce the New 506 WLS Series Ultra-Broadband Surface Mount (SMT) 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 506WLS was designed as a surface mount component making it ideal for pick and place manufacturing operations. The inductor mounting bracket is fabricated from selected material that is transparent at microwave frequencies. These inductors are well suited for many circuit-level and system-level RF and microwave applications.

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

This product addition expands ATC's already diverse offering of broadband products. Datasheets are now available on ATC's website: www.atceramics.com.

Please visit www.atceramics.com for additional information.

Features:

- Inductance: 0.47 μ H to 10.7 μ H
- Operating Frequency Range: from 400 KHz to 40+ GHz
- Low DC Resistance
- RoHS Compliant

Typical Applications:

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

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

A Datasheet for this product is now available in the Thin Film Section of ATC's website as a printable pdf file or [click here to download the pdf file](#). Do not hesitate to contact ATC for additional technical and pricing information as well as product samples.

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