Richardson RFPD Selected as Sole Distributor for ATC Ultra-Broadband 506WLC Series Inductors

Richardson RFPD announced it has been selected by American Technical Ceramics (ATC) as the global exclusive distributor for the new 506WLC Series of Ultra-Broadband Inductors. This select group of inductors has been engineered with a powdered iron ferrite core and gold plated terminations to provide reliable and repeatable ultra-broadband performance beyond 40 GHz. These inductors are ideal for many applications, including use in trans-impedance amplifiers, ultra-broadband DC coupling networks, and broadband test equipment.

Characteristic of the 506WLC inductors is their distinctive pyramid shape, which allows the copper wire to be tightly wrapped around its core and, thus, provide maximum inductance within the overall dimensions of the product. Their shape also makes these parts easy to handle during hand soldering operations. Additionally, these passive components have been carefully manufactured to provide ultra low insertion loss, flat frequency response and an excellent match over multiple octaves of frequency spectrum.

Key Product Features and Advantages:
• Current inductance values in the series: 2.0 µH, 6 µH, and 11 µH
• Wide operating frequency range: as low as 500 KHz through 40+ GHz
• Low insertion loss: as low as 0.4 dB
• Ample return loss: typically > 17 dB
• Low DC resistance
• Extremely rugged design
• Operating temperature range (ºC): -40 to +85
• Excellent unit-to-unit performance repeatability
• RoHS compliant

Richardson RFPD provides complete design-in and logistics support for the ATC Ultra-Broadband Inductors. Each part is currently in-stock with full documentation available. To find more information, or to purchase these products on the Richardson RFPD website, please visit Richardson RFPD Ultra-Broadband Inductors.

About Richardson RFPD, Inc.
Richardson RFPD, Inc., an Arrow Electronics Company, is a global leader in the RF and wireless communications, power conversion and renewable energy markets. Relationships with the industry’s top component suppliers enable Richardson RFPD to meet the total engineering needs of each customer. Whether it’s designing components or engineering complete solutions, Richardson RFPD’s worldwide design centers and technical sales team provide support for all aspects of customers’ go-to-market strategy, from prototype to production. More information is available online at www.richardsonrfpd.com [1].

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[1] http://www.richardsonrfpd.com