

New Product Announcement from ATC

ATC Introduces Precision Tolerance NPO RF Microwave SMT Capacitor

February 21, 2013 Huntington Station, NY ----- ATC is pleased to announce the introduction of the 400Z Series, Precision Tolerance NPO RF / Microwave SMT capacitor.

The 400Z Series has been designed and manufactured with the highest quality materials and a precision thin film process to provide reliable and repeatable performance. This unique component offers the tightest tolerances available (0.02 pF), as well as low ESR, and high Series Resonant Frequency.

The 400Z has been engineered in an EIA 0201 SMT package, making it fully compatible with high speed automated pick-and-place manufacturing operations. This product is superior for critical tuning applications where exact capacitance values are required. The precision capacitance tolerance of the 400Z Series greatly reduces the need for end process tuning adding an extra benefit in reduced manufacturing cost. Its superior stable performance and reliability make it ideal for the full range of critical tuning applications as well as DC blocking and bypassing applications.

Features:

- EIA 0201 Case Size
- Capacitance: 0.1 pF to 22 pF
- Tightest Tolerance to +/- 0.02 pF
- Voltage Rating: up to 100 WVDC
- Stable NPO performance
- Operating Temperature: (-55°C to +125°C)
- RoHS Compliant / Lead Free

Advantages:

- Ideal for the most critical tuning applications
- High purity electrodes for repeatable performance
- Low ESR
- High Self Resonance
- Unit-to-Unit Performance Repeatability

Typical Applications:

- Filter Networks
- Matching Networks
- High Q Frequency Sources
- Tuning
- Coupling
- Bypass
- DC Blocking

A Datasheet for this product is now available on 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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