

# New Product Announcement from ATC

## ATC Introduces the 400S Precision Tolerance NPO RF Microwave SMT Capacitor

Sept. 19, 2013 Huntington Station, NY ----- ATC is pleased to announce the introduction of the 400S Series, Precision Tolerance NPO RF / Microwave SMT capacitor.

The 400S 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 400S has been engineered in an EIA 0603 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 400S 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 0603 Case Size
- Capacitance: 0.1 pF to 68 pF
- Tightest Tolerance to +/- 0.02 pF
- Voltage Rating: up to 200 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
- Board space savings to support fine pitch SMT layout
- 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. Do not hesitate to contact ATC for additional technical and pricing information as well as product samples.

Click here for the [400 S Precision Tolerance NPO RF Microwave SMT Capacitor data sheet](#).

AMERICAN TECHNICAL CERAMICS • One Norden Lane • Huntington Station, NY 11746  
Voice: 631-622-4700 • fax: 631-622-4748 • [sales@atceramics.com](mailto:sales@atceramics.com) • [www.atceramics.com](http://www.atceramics.com)



**AMERICAN**  
ATC North America  
[sales@atceramics.com](mailto:sales@atceramics.com)

**TECHNICAL**  
ATC Europe  
[saleseur@atceramics.com](mailto:saleseur@atceramics.com)

**CERAMICS**  
ATC Asia  
[sales@atceramics-asia.com](mailto:sales@atceramics-asia.com)

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