

New Product Announcement from ATC

ATC Introduces the 400W Precision Tolerance NPO RF Microwave SMT Capacitor

ATC is pleased to announce the introduction of the 400W Series, EIA 01005 Precision Tolerance NPO RF / Microwave SMT capacitor.

The 400W Series has been designed and manufactured with the highest quality materials in a precision thin film process to provide reliable and repeatable performance. This unique component offers the tightest tolerances available (+/- 0.01 pF).

The 400W has been engineered in an EIA 01005 SMT package. It is fully compatible with high speed automated pick-and-place manufacturing operations. This product is superior for critical tuning applications through millimeter-wave where exact capacitance values and ultra-low loss are required. The precision capacitance tolerance of the 400W 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 a full range of critical tuning applications as well as DC blocking and bypassing applications.

The 400W Series product addition expands ATC's already diverse offering of high quality Precision Tolerance capacitor products. [Download the Data Sheet PDF here.](#)

Features

- EIA 01005 Case Size
- Capacitance: 0.05 pF to 2.4 pF
- Tightest Tolerance to +/- 0.01 pF
- Voltage Rating: 16 WVDC
- Stable NPO performance
- Operating Temperature: (-55°C to +125°C)
- RoHS Compliant/Lead Free

Advantages

- Ultra-small form factor for higher component density
- Board space savings to support fine pitch SMT layout
- Usability through millimeter-wave
- Ideal for the most critical tuning applications
- High purity electrodes for repeatable performance
- Low ESR
- 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.



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