

High-power RF

Components for high-power RF & microwave applications

RF & MICROWAVE CAPACITORS

Ultra Hi-Q, ultra-low ESR, MLCCs (CHA/B – NHB – SH)

- 1500V: highest working voltage in class
- High resonant frequencies
- Alternative for CDR capacitors
- Optional non-magnetic, microstrip ribbon or radial wire terminations

RF POWER CAPACITORS

Hi-Q, high-power ceramic chip capacitors (CLX/EF – CPX/E)

- 7000V: highest working voltage in class
- Ultra-stable $0 \pm 30\text{ppm}/^\circ\text{C}$ (-55°C to $+125^\circ\text{C}$)
- Optional encapsulation against arc-over & corona
- Optional non-magnetic terminations

RF TRIMMER CAPACITORS

Miniaturised ceramic trimmer capacitors (AT9401G)

- Performance to 2GHz and beyond
- Ultra-low ESR, ESL & capacitance drift
- High stability over time & high resonance frequency
- Gold plated terminations as standard

MICROWAVE HARDWARE

Microwave tuning elements (AT69xx)

- High-resolution, high-stability
- Self-locking constant torque drive mechanism
- Space compliant
- L to Ka band & beyond

High-power ferrites

- For microstrip circulators/isolators
- Very low magnetic or dielectric losses
- High-saturation magnetisation
- Substrate thickness down to 0.4mm

Invar screws (Invar 36)

- High-precision, high-frequency
- High-resolution tuning
- Low coefficient of thermal expansion
- Ka, KU, Q band & beyond



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