



Hi-Rel Capacitors for Aerospace, Defense, Energy & Advanced RF Systems

Uniting four industry leaders—Evans, Paktron, UTC and Eulex—the Evans Group delivers one of the industry’s most specialized and comprehensive capacitor portfolios.



Evans

Hybrid Wet Tantalum

Evans hybrid wet tantalum capacitors are the most power dense in the industry, providing significant SWaP savings compared to traditional capacitor technologies.

- Voltage range from 10V–125V
- Cap values from 22 μ F–1F
- Rugged hermetically sealed design withstands high shock & vibration
- Ultra-low ESR enables high-current applications
- Space-grade (routinely tested and qualified to NASA-INST-002)

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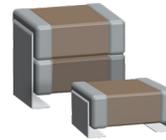
Paktron

Multilayer Polymer (MLP) Film

Paktron’s multilayer polymer film capacitors offer an alternative to ceramic capacitors in specific “cannot fail” applications that demand robust mechanical & electrical solutions.

- Voltage range from 50VDC–1200VDC
- Cap values from 0.1 μ F–42 μ F
- Unique stacked construction offers high frequency, ultra-low ESR & ESL, and high dV/dT
- Highest ripple current rating per C*V in the industry
- Electrical stability over wide temperature range
- Self-healing, does not fail short
- Mechanically flexible, does not crack

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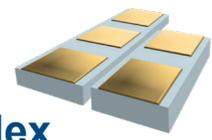
UTC

Multilayer Ceramic (MLCC)

UTC manufactures COTS and custom engineered high-reliability multi-layer ceramic chip capacitors (MLCCs) and leaded devices at their DLA 790 facility, approved to produce MIL-PRF 49470 parts, in addition to other DLA/DSCC drawings.

- Equipped to perform a variety of MIL-PRF testing
- Low ESR & ESL- excellent for frequency decoupling
- Multiple dielectrics available including NP0, X7R, X5R, Y5V- PME and BME formulations
- Low-cost manufacturing options available
- Product offerings include MLCCs, planar arrays, discoidals, pulse energy, megacaps, SMPS and safety caps

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Eulex

RF/High Frequency Ceramic

Eulex’s novel capacitor architecture using an embedded electrode manufactured with bespoke dielectrics provides improved temperature and frequency performance in a high reliability package.

- Voltage range from 6.3V–1500V
- 20 \times greater capacitance density than RF SLCs
- Proven performance at frequencies up to 110GHz
- Ultra-high Q dielectrics
- Product offering includes gap, binary, broadband, vertical layer and ultra-high Q

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