

Evans GROUP UTC

Multilayer Ceramic (MLCCs)

UTC (formerly Quantic UTC) designs and manufactures high-reliability multilayer ceramic capacitors (MLCCs) in its DLA MIL-PRF-790-approved facility in Monterey Park, California. UTC leverages state-of-the-art dielectric materials, advanced manufacturing equipment, and rigorous hi-rel screening and testing to meet the requirements of military, aerospace, space, medical, and other mission-critical markets. Using both PME and BME electrode technologies, UTC offers standard and custom MLCC solutions including discoidal capacitors, planar arrays, SMPS capacitors, pulse-energy capacitors, high-voltage capacitors, and high-temperature MLCCs.

Applications

- Hi-rel military and defense power electronics
- EMI suppression and filtering
- Coupling/decoupling
- Energy storage and pulse discharge circuits
- High-temperature electronics (e.g., >150°C applications)
- Precision analog circuits requiring temperature-stable NPO
- Power supply filtering (input/output filtering in DC/DC converters)
- Aerospace avionics systems
- Munitions
- Missile guidance and control electronics
- Spacecraft payload and bus electronics
- Communications equipment (satcom, tactical radios)

Evans GROUP Trusted Brands. Single Source. Hi-Rel Capacitors for Mission Critical Systems.

Uniting four industry leaders—Evans, Paktron, UTC, and Eulex—Evans Group delivers the industry's most specialized and comprehensive capacitor portfolio. Together, we provide power-dense, high-reliability solutions engineered for mission-critical environments across defense, aerospace, energy, and advanced RF systems.

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MLCC (Low and Mid Voltage)

- Voltage Range: 6.3V–12KV
- Cap Range: 1.2pF–220µF
- Size: 01005 - 13060
- Dielectric: NPO, X7R, X5R
- Industrial and Commercial



SMPS

- Voltage Range: 50V–500V
- Cap Range: .01µF–27µF
- Size: Case Code Size 1–6
- Dielectric: NPO, X7R
- Military, high-end protection



Military (MIL-PRF 49470)

- B Level Voltage: 50V–500V
- Cap Range: 0.15µF–47µF
- Size: Case Size 3, 4, 5
- Dielectric: BX, BR, BQ
- T (Space) Level Qualified Products



MegaCap Type (BC Series)

- Voltages to 1000V
- Higher capacitance on same footprint
- Dielectric: COG and X7R
- Industrial Smoothing and Decoupling, resonant charging systems, DC to DC conversion, power supplies



Pulse Energy

- Available in high temperature to 250°C
- Up to 10KV range for single and multi-pulse firing applications
- Custom sizes, capacitance, and voltage ranges are available
- Missiles, downhole detonation



Radial Leaded

- Voltage Range: 250V–10,000V
- Cap Range: .05pF–.68µF
- Capacitance Range: 1.5mF–300mF
- Size: .25 x .22 to .55 x .28
- Dielectric: NPO, X7R



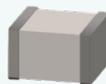
Discoidal

- Cap Range: .05pF–7.2µF
- Voltage Range: 25V–3000V
- Size: 0502 - 6429
- Temperature Dielectric: NPO, X7R
- EMI Suppression Filter



Planar Arrays

- Voltage Range: 50V–2000V
- Cap Range: 100pF–µF
- Size: Custom/ Standard: Circular, Sub D, ARINC
- Dielectric: NPO, X7R
- Connectors, low-pass filter



Safety Caps

- High reliability and stability
- Small size and high capacitance
- Safety standard approval by certificate number: TUV. R-0551491 UL. E529341
- RoHS and HALOGEN compliant