

A Global Leader in Multilayer Ceramic Capacitors

Quantic™ UTC specializes in **multilayer ceramic capacitors and high frequency switch mode power supply capacitors**, both standard and custom, for high-reliability and mission-critical applications in the military, aerospace, telecommunications, and industrial industries.

Industries

- › Military and Aerospace
- › Space (High Reliability)
- › Industrial
- › Telecommunications
- › Computing

Applications

- › Filtering
- › Snubbers
- › Energy Storage
- › Power Conversion
- › Coupling - DeCoupling
- › Munitions

Featured Products



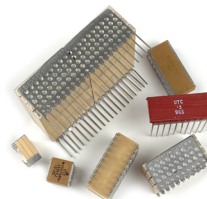
MLCC

- › Voltage Range: 6.3V-12KV
- › Cap Range: 1.2pF - 220uF
- › Size: 01005 - 13060
- › Dielectric: NP0, X7R, X5R
- › Application: Industrial and commercial



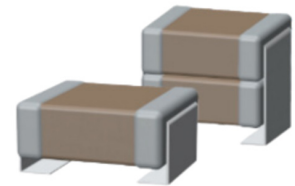
SMPS

- › Voltage Range: 50V-500V
- › Cap Range: .01uF - 27uF
- › Size: Case Code Size 1-6
- › Dielectric: NP0, X7R
- › Application: Military, high end protection



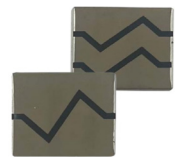
Military [MIL-PRF-49470]

- › B Level Voltage: 50V-500V
- › Cap Range: 0.15uF - 47uF
- › Size: Case Size 3, 4, 5
- › Dielectric: BX, BR, BQ
- › T [Space] Level Qualified Products
- › Application: Military Mil-Prf-49470



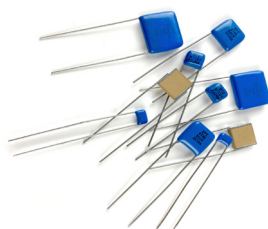
MegaCap Type [BC Series]

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



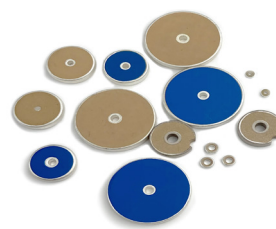
Pulse Energy

- › Available in High temperature up to 250 °C
- › Up to 10KV range for single and multi-pulse firing applications
- › Custom sizes, capacitance, and voltage ranges are available
- › Applications: Missiles, Downhole, detonation



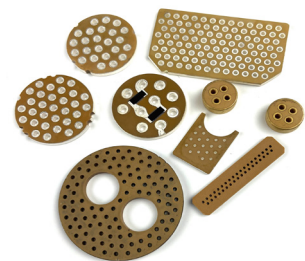
Radial Leaded

- › Voltage Range: 250V-10,000V
- › Cap Range: .05pF - .68uF
- › Size: .25 x .22 to .55 x .28
- › Dielectric: NP0, X7R



Discoidal

- › Cap Range: .05pF - 7.2uF
- › Voltage Range: 25V-3000V
- › Size: 0502 - 6429
- › Temperature Dielectric: NP0, X7R
- › Application: EMI suppression filter



Planar Arrays

- › Voltage Range: 50V-2000V
- › Cap Range: 100pF - uF
- › Size: Custom/Standard: Circular, Sub D, ARINC
- › Dielectric: NP0, X7R
- › Application: Connectors, low-pass filter



Products

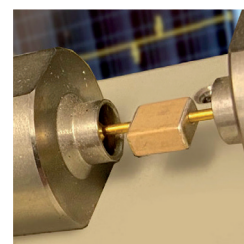
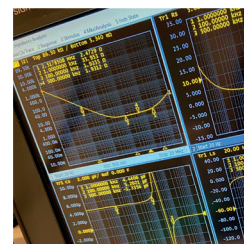
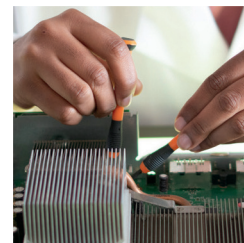
Quantic™ UTC is engaged in the manufacture of multilayer ceramic capacitors and assemblies, both standard and custom. We focus on the following monolithic ceramic capacitors: SMPS (switch mode power supply), High Voltage, Tight Tolerance, Discoidal and Discoidal Arrays. DSCC qualified to MIL-STD-790 quality system and ISO 9001:2015 certified. Approved to produce MIL PRF-49470 parts to standard and (T) space levels and DSCC drawings: 04050, 87040, 87043, 87046, 87047, 87070, 87076, 87077, 87081, 87106, 87114, 88011, 89044, 91019.

Quality

Quantic™ UTC integrates a Quality Management System [QMS] throughout its supply chain system by building quality into our products and manufacturing process. Supplier control systems ensure the highest quality materials and service to our customers. Our manufacturing facility is ISO 9001:2015 certified and MIL-STD-790 approved. UTC is equipped for performing testing in accordance with MIL-PRF-39014, MIL-PRF-20, MIL-PRF-55681, MIL-PRF-15733, MIL-PRF-31033 and MIL-PRF-49467 as required by some customers. Our quality assurance system and procedures are based on the requirements of MIL-I-45208 and MIL-Std-790, with the calibration program in accordance with ANSI/NCSL Z540-1.

Commitment to US Manufacturing

Quantic™ UTC's expansion to 30,000 sq. ft. manufacturing space and investment in brand new state-of the art equipment for buildup and routing, as well as a 2,500 sq. ft clean room ISO Class 7 (10,000ppm), demonstrates Quantic™ UTC's commitment to quality, reliability and cutting edge US manufacturing capabilities.



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