

# Tested to meet the highest standards. Tailored to your industry.

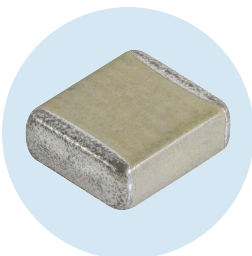
**Our High Reliability product line is tested to meet a variety of standards, including:** MIL-PRF-123, MIL-PRF-55681, MIL-PRF-39014, MIL-PRF-49467, MIL-PRF-49470, MIL-PRF-38534

Our High Reliability products are designed for optimum reliability and are burned in at elevated voltage and temperature levels. They are 100% electrically inspected to ascertain conformance to a strict performance criteria.

The high reliability testing allows us to meet the demanding needs of aerospace, airborne, medical implantable devices and a variety of military/defense applications.

We also have the ability to perform all Environmental Group B, Group C and Qualification testing to the referenced military specifications. Talk to us today to see how our extensive product knowledge, and extensive burn-in and reliability test capabilities, can meet your most demanding Hi-Rel specifications.

## HIGH REL PRODUCTS



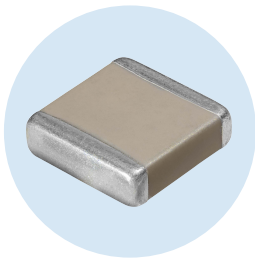
Applications

- Military
- Guidance systems
- Communications
- Medical implants and medical equipment
- Oil exploration down-hole sensing circuits
- Space/Satellite systems

Benefits

- Tested to a variety of MIL STD specifications to ensure optimal reliability
- Extensive offering of termination, plating, and leading for all processing methods (ie. Au, PdAg, Sn/Pb)
- 30-year history in the medical implant market, along with space and defense programs

## HIGH Q MLC



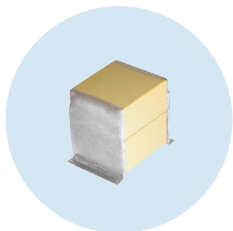
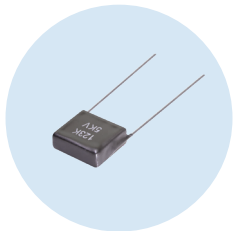
### Applications

- Military radios
- Radar
- Power amplifiers
- RF generators
- Matching networks
- Oscillators

### Benefits

- Designed for very low ESR for high frequency applications to prevent overheating
- Best temperature stability in the market (dielectric code "CF",  $0\pm 15\text{ppm}/^\circ\text{C}$ )
- Largest catalogue offering of high-q capacitors in terms of capacitance, voltage, and case size

## HIGH TEMPERATURE LEADED AND STACKED



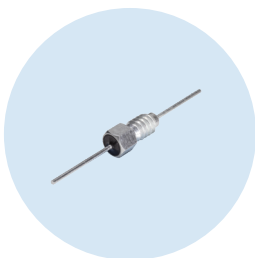
### Applications

- Military power supplies
- Power distribution
- Aircraft hydraulic control
- Oil exploration

### Benefits

- High temperature up to  $250^\circ\text{C}$
- High voltage up to 10kV
- Available to DSCC dash numbers
- Can be tested to MIL-PRF-49467 and/or MIL-PRF-39014

## PANEL MOUNT FILTERS



### Applications

- Aircraft power systems
- Military radio
- Sensors
- High voltage power supplies
- Radar
- Power generation
- Aerospace

### Benefits

- Largest capacitance range per unit size voltages to 3kV
- Optimal filtering performance due to Knowles ceramic expertise