

Charcroft,
KEMET & AEM
will be at the
**UK Space
Conference**
Stand C3
September 24-26
2019

When failure is not an option

For mission-critical applications, we have the solutions

AEM, Inc.'s Hi-rel fuses are used in major Space programmes, including the International Space Station and have been in orbit for decades with zero reported failures. The HRB is the first ever DSCC approved ferrite chip bead.

High-reliability solid body fuses: FM12, FM13

- Protection of power supplies, batteries and solar arrays
- Solid body construction – no outgassing
- Withstands high-vibration & shock
- Complete containment during fuse-event
- Consistent clearing times regardless of vacuum conditions



High-reliability ferrite chip beads: HRB

- Tin whisker free (Sn/Pb or Au termination finish)
- Designed and qualified as high reliability
- Complete material and process traceability



KEMET Space-grade products comply with the most stringent reliability requirements in the industry, offering a range of products from Auto-grade and COTS to MIL-PRF/ESA Space-grade.

Polymer electrolytic for Space applications: T583

- Ultra-low ESR designed parts
- Volumetrically efficient
- Very long operational life
- Improved capacitance retention at high frequencies



MIL-PRF-32535 qualified ceramic capacitors

- First Military qualified BME Ceramic Capacitor
- Provides an 18-fold increase in capacitance
- T Level high-reliability Space-grade
- COG/BP and X7R dielectrics available



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Charcroft: Challenge Accepted



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Passives, Power, Sensors, Emech and more