



Meeting the mil-aero challenge together

Exxelia & Charcroft: Specialists in components for mil-aero electronics

A shared focus on high-reliability components for military and aerospace applications makes the Exxelia Group and Charcroft reliable partners for the design of mission-critical systems.

Capacitors

Ceramic

- Stacked SMT & radial
- High temperature to 250°C

Film

- Polypropylene
- High-voltage, high-stability reconstituted mica

Wet, solid & polymer tantalum

- High capacitance to 10,000µF
- High temperature to 200°C
- High reliability, CECC & ESA qualified

Aluminium flat-pack

- Up to 2.2F capacitance, 80A ripple
- Long-life up to 500,000 hours @70°C
- Temperature from -55°C to 150°C

Glass tubular, impregnated paper/film

- High-voltage to 10,000VDC
- High-altitude stability

RF

- Hi-Q MLCC, ESA-qualified & high-power options

Filters

- EMC protection
- Tempest & Hemp to MIL STD 188 125 I
- Feed-thru EMI/RFI filters

Magnetics

- Differential common-mode chokes
- Power chokes to 5.5mH @600A
- Low-power RF chip inductors down to 0.01µH
- Signal transformers to Mil-STD 1553
- High-power, high-voltage transformers up to 150KV

Frequency tuning

- Invar and other tuning elements
- Resonators and ferrites



Dearborn • Eurofarad • Firadec • Microspire
N'rgy • RAF Tabtronics • Sic-Safco • Temex



Debbie Rowland

Director

debbie.rowland@charcroft.com



Roger Tall

Passive, Hi-rel Semi & Opto Specialist
roger.tall@charcroft.com

Charcroft: Challenge Accepted

charcroft
ELECTRONICS
www.charcroft.com

Email: request@charcroft.com Tel: 01591 610408

Passives, power, interconnect, emech and more