

Highest total capacitance for high-power applications

Aerospace challenge #1

With enhanced capacitance retention at higher frequencies and low temperatures, in addition to extremely low and stable ESR, KEMET's M55x hermetically-sealed polymer tantalum modules offer improved derating compared to solid or wet tantalum capacitors and a risk-free alternative to MnO_2 .

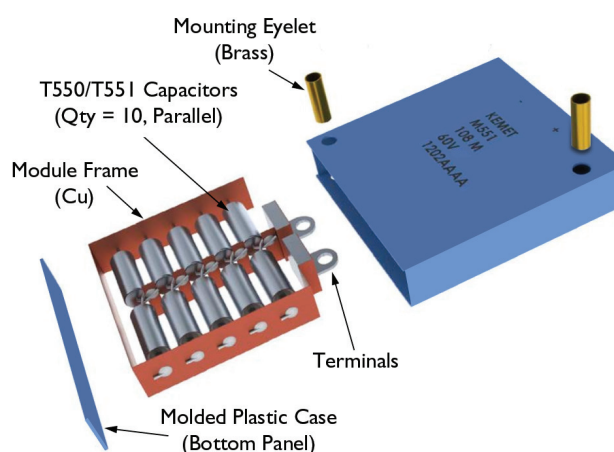
Features

- Extremely low and stable ESR: as low as $15\text{m}\Omega$
- High-frequency capacitance retention
- Screw-terminals withstand high shock & vibration
- Temperature range: -55°C to $+105^\circ\text{C}/+125^\circ\text{C}$
- High ripple current capability: $17,500\text{mA}_{\text{rms}}$
- Voltage range up to 100V
- High and stable capacitance: up to $8,200\mu\text{F}$

Applications

- Critical-system power management
- Point-of-load DC-DC converters
- Hold-up circuits
- High-pulse, high ripple-current designs

View package in interactive 3D
www.charcroft.com/M55x



Electronic Components
KEMET
CHARGED.®

charcroft
ELECTRONICS

www.charcroft.com

Email: request@charcroft.com Tel: 01591 610408

Passives, power, interconnect, emech and more

Knowledge of yesterday ■ Looking after today ■ Supporting tomorrow.



Debbie Rowland

Director

debbie.rowland@charcroft.com



Roger Tall

Passives, Power ICs & Opto Specialist
roger.tall@charcroft.com