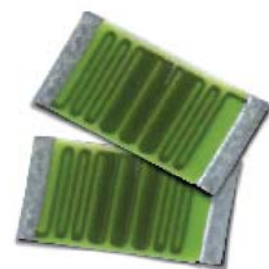




High-Performance Resistors For Mission-Critical Applications

Exxelia Ohmcraft meets the needs of modern electronic warfare, weapons platforms, and military professionals, recognizing innovation as an essential element of being successful as a supplier to today's military. Exxelia Ohmcraft has served the military market for over two decades, reliably supporting a wide range of products, programs, and applications. Our custom and standard resistor products are well positioned to support the rigorous specifications required by military suppliers in this technology-driven market.



Superior Performance

Our unique Micropen® precision printing technology produces ultra-stable parts that are perfectly suited to the military's rugged requirements, delivering a typical load life of 0.1% over 10,000 hours. This proven stability, accuracy, and quality support the long-term program life of many military products and programs.

Micropen technology produces a superior resistor. The combination of our longer serpentine pattern and high-aspect ratio gives our resistors unmatched design flexibility, linearity, stability, and low noise capability, as well as:

- High voltage to 40kV
- Extremely tight tolerances to 0.1%
- Very low TCR
- Extended temperature range
- Very low noise
- Very low VCR
- Ultra-high stability



Custom Designs For Military Applications

Exxelia Ohmcraft's ability to design and deliver custom resistors is essential for military suppliers. Our engineers work closely with you to design resistors that match your exact specifications.

- Surface-mount resistors, dividers, and networks
- Extensive experience designing custom resistors and supporting source control drawings (SCD) for existing and new designs
- Small runs to support prototypes to large volume manufacturing

Exxelia Ohmcraft can test parts using a number of military specs, including:

- MIL-PRF-55342, 83401, 55182H, 914B, and 49462B
- MIL-STD-129, 1276F, and 1285F
- MIL-STD-202
- Space-grade resistors
- Extended temperature range
- Rapid prototyping



Exxelia Ohmcraft is the leader in high-performance resistor design and manufacturing. Our proprietary Micropen® precision printing technology enables superior precision thick-film resistors. Exxelia Ohmcraft can meet the most challenging military specifications for high-voltage and high-value resistors.



Applications

Exxelia Ohmcraft's portfolio of rugged, high-quality resistor products includes HVC, SM, MCH, HVR, HVD, and custom designs for:

Flight & Space

- Aviation
- Aerospace
- Flight controls
- Satellites
- SATCOM
- Microwave
- Radar

Tactical

- Night vision
- Ordnance
- Electronic warfare
- Munitions

Systems

- Surveillance
- Detection
- Navigation
- Monitoring
- Sight systems
- Motion control
- Communications
- Networks

To learn more, visit us online at www.exxelia.com

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