



High-Performance Resistors For Precision Instrumentation Applications

Thanks to advances in electronics technology, today's instruments are able to measure and test more precisely than ever before. These advanced instruments have helped push forward scientific frontiers in fields from DNA analysis to high-performance test equipment—and have enhanced our safety and national security.

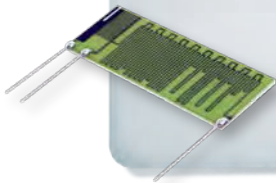


Superior Precision and Performance

Exxelia Ohmcraft is a major supplier to the instrumentation market, offering proprietary Micropen[®] precision printing technology that produces ultra-precise, high-performance resistors.

Exxelia Ohmcraft's resistors feature a longer serpentine pattern and a high-aspect ratio, resulting in superior performance that includes:

- Unmatched design flexibility
- Superior linearity and stability
- Tight tolerances to 0.1%
- High ohmic values
- Low noise
- Extremely low TCR and VCR
- Excellent divider tracking



Measuring Up To The Highest Standards

Exxelia Ohmcraft supplies resistors to a broad range of customers across the instrumentation market. We work with market leaders in high-end instrumentation segments that include advanced testing and measuring, mass spectroscopy, computed tomography (CT), and vital Homeland Security-related detection systems for airports and cargo inspection.

Exxelia Ohmcraft engineering works closely with instrumentation industry leaders to produce the most advanced test equipment and instrumentation. Exxelia Ohmcraft resistors are able to achieve the exacting standards required to support these ultra-precise measurement systems. Exxelia Ohmcraft's custom dividers, resistors, and networks provide a level of service and performance unmatched in the instrumentation market.



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 instrumentation specifications for high-voltage and high-value resistors.

Applications

Exxelia Ohmcraft's portfolio of stable, high-performance resistor products for the instrumentation market includes: HVC, SM, MCH, HVR, HVD, and custom designs for:

Scanning

- Mass spectrometry
- Computed tomography
- Cargo container scanning and inspection
- Security scanning systems

Analysis

- Signal generators
- Logic analyzers
- Data generators
- Power analyzers
- Material analyzers
- DNA analysis systems
- Laboratory analyzers
- RF analyzers
- Gas, chemical, and nuclear detection systems

Testing and Measurement

- Test equipment
- High-voltage measurement systems
- Multi-meters
- Oscilloscopes
- Automated test systems
- Network test systems
- Piezo measurement systems
- Instrumentation control
- Calibration equipment
- Vibration testing equipment
- Environmental testing systems
- Mobile/handheld instrumentation

Specialized Usage

- Down-hole applications
- Photomultiplier applications

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