



High-Voltage Resistors For Power Supplies

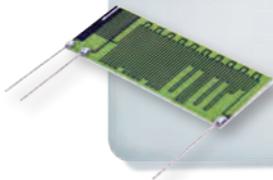
At Exxelia Ohmcraft, a large part of our success has come from supporting the needs of customers in the power supply market. We provide many market leaders with standard and custom products. Our SMT resistors can handle voltages up to 3500V, while our leaded products are designed to handle up to 40kV.



High Voltage, Superior Performance, and Enhanced Benefits

Exxelia Ohmcraft's proprietary Micropen[®] precision printing technology produces superior resistors, dividers, and networks. Our technology creates a longer serpentine pattern that supports the high-voltage handling and the stability needed by today's advanced power supply designs. Benefits include:

- High voltage to 40kV
- Unmatched design flexibility
- Low noise
- Enhanced thermal management
- Improved ESD tolerance
- Superior linearity and stability
- Tightly controlled TCR and VCR
- Extremely tight tolerances to 0.1%
- Custom designs





Custom Designs For Power Supply Applications

Exxelia Ohmcraft engineers are experienced in working closely with our industry partners to develop custom resistor designs. Emphasizing high-voltage attributes, these designs include SMT, leaded resistors, networks, and dividers that allow for custom specifications of TCRs, VCRs, and tracking.

This level of collaboration with our customers and our unique Micropen® precision printing technology create a level of performance that is unmatched by any other manufacturer serving this important market segment.



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 demanding power supply specifications for high-voltage and high-value resistors.



Applications



Exxelia Ohmcraft's portfolio of stable, high-voltage, and high-performance resistor products for power supply applications includes: HVC, SM, MCH, HVR, HVD, and custom designs for:

- High-voltage power supplies
- Linear power supplies
- Switching power supplies
- Medical power supplies
- Uninterruptible power supplies
- Bench-top power supplies
- Programmable power supplies
- DC-to-DC converters
- Voltage multipliers
- Power management
- Power distribution units
- Power metering
- Pulse width modulation

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