

Medical

Imaging

Equipment

Defibrillation

Ohmite Products for the Medical Equipment Industry

Ohmite provides medical OEMs and designers with reliable high-performance resistive products used in hundreds of medical applications. Doctors and patients must trust that the medical products they use will perform safely, reliably, and effectively. We understand the needs of the medical industry, and we work closely with medical companies to provide the right product for each application. Our unique combination of product leadership, application expertise, and stable delivery makes Ohmite the natural choice for your medical needs. We've been doing this for decades, and we will be here for the long term to support your future needs.

Hospitals and healthcare facilities require critical and costly advanced medical equipment. Despite state-of-the-art technology, the electronic equipment and systems essential to today's healthcare facilities remain vulnerable to power failures and natural disasters. Ohmite is unique in understanding these risks and ensuring that essential systems remain fully operational.

With a wide array of components for Motion Control, Circuit Conditioning and Circuit Protection, Ohmite has the proven qual-



ity and reliability for applications crucial to the accurate diagnosis of patients throughout the world.

Ohmite's product offerings are used in many different industries, ranging from industrial, medical, and transportation to military and aerospace. While every industry has its own unique challenges and nuances in optimizing product performance and cost, often the best solution comes from the ability to draw from experiences from other industries as well. This "out-of-the-box" thinking explains why Ohmite is so successful in enhancing product performance and making companies more competitive, regardless of sector.

We combine our component-specific expertise and manufacturing know-how with your industry-specific understanding to develop the unique solution to meet the challenges you face. And, we continue to expand our product offerings through research and development and acquisitions to meet your needs.

OHMITE®



HVF Resistors

Ohmite's High Voltage Flip Chip Series incorporates high-accuracy screen printing technology to achieve high-voltage capability. This high-voltage chip can handle up to 3000V in a small 2512 package size with a stable flip chip design. Its unique design provides lower voltage and temperature coefficients, less noise, tighter tolerances, better stability, higher resistance values, and higher voltage ratings.



270 Type

Ohmite 270 Type fixed resistors are available for applications requiring wattage ratings from 12 to 1000 watts. This rugged resistor series is equipped with lug terminals suitable for soldering or sturdy bolt connection. When secure mounting is required, the hollow core of these resistors permit fastening with spring-type brackets, or through bolts with slotted-steel brackets (sold separately). The 270 Type resistors feature all-welded construction and durable lead-free vitreous enamel coating.



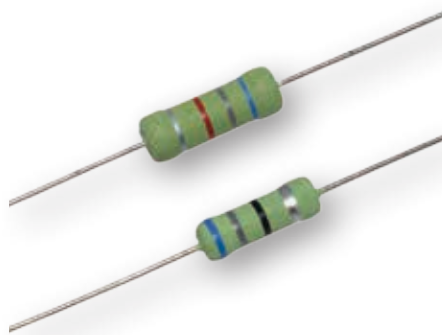
TEH100

Ohmite offers the totally encapsulated and insulated TO-247 package for low ohmic value and non-inductive design for high-frequency and pulsing applications. The TEH100's excellent thermal efficiencies allow this thick-film resistor to dissipate 100 watts when mounted to a proper heat sink. 1% and 5% tolerances are available with resistance values up to 1 meg ohm on request.



Slim Mox

Ohmite's Slim-Mox provides stable performance for a wide range of resistance values from 100 to 5 Gig ohms. The Slim MOX series achieves up to 9 watts of power dissipation using a silicone coating. These high-voltage resistors are rated up to 25KV. Low temperature coefficients are available for high-stability circuit applications. The space-saving planar package offers an alternative to traditional high voltage resistors. A resistor divider version is also available, with resistance ratios up to 5000:1 and ratio tolerances down to 0.5%.



OX/ OY Resistors

The OX/OY Series of fixed ceramic resistors are ideal for circuitry associated with surges, high peak power, or high energy. They offer enhanced performance in high voltage power supplies, R-C snubber circuits, and inrush limiters. The OX/OY resistors can often replace carbon-composition resistors which can be difficult to source. The OX/OY series is available in 1-watt and 2-watt sizes. Single impulse values of 50 and 80 joules respectively make these small axial resistors key in space-restricted applications.

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