

Transportation

Heavy Rail / Light Rail

Automotive

Earth/Materials Movers

People: Elevators, Escalators, Etc.



Ohmrite Products for the Transportation Industry

Ohmrite is driven to transform the industry with every part and every custom solution. Our transportation solutions are customized to exacting specifications, yet flexible to every need. They are designed to withstand harsh environments, including metal plating to prevent oxidization of metal parts. From dynamic braking, custom controls, lighting, and to anything you need for backhoes, military ground equipment, tractors, snowmobiles, dump trucks, or most any off-highway vehicle — including custom solutions for agriculture, and construction.

Ohmrite'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 Ohmrite 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.

ARCOL

OHMITE®



270/280 Series

The 280 Type fixed resistors are manufactured with corrugated resistive wire. To accelerate cooling, the wire is securely fused to the ceramic core by the protective vitreous enamel coating to improve durability. These large, heavy-duty resistors are designed to withstand the frequent start-stop cycles characteristic of motor starting, dynamic braking, and other similar applications. Ohmite 270 Type fixed resistors are available for applications requiring wattage ratings from 12 to 1000 watts. Both rugged resistor series are equipped with lug terminals suitable for soldering or sturdy bolt connection. 270 and 280 Type resistors feature all-welded construction and durable lead-free vitreous enamel coating.



Rheostats

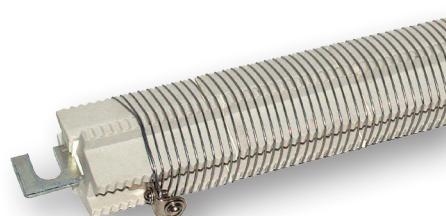
Ohmite RH style rheostats are designed and manufactured to operate smoothly and reliably for long periods of time. A wide range of models from 7.5 watts to 1000 watts is available, with resistance ranges of 0.5 ohms to 10K on most models. RH series rheostats are typically used in motor speed control, light dimmers, and equipment requiring convenient variable resistance control.



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HS Series

The Ohmite ARCOL brand HS Series is a high-performance molded-construction metal-housed resistor. They are available in higher power ratings than standard axial resistors and are better suited to withstanding vibration, shock, and harsh environmental conditions. The HS series resistors are aluminum housed to maintain high stability during operation and to permit secure mounting to chassis surfaces. The metal housing also provides heat-sinking capabilities, extending the series wattage up to 300 watts.



PFE/PFR

Designed in both Edgewound and Round Wire formats, these rugged resistors can handle 700 to 1000 Watts of power. Specify our Edgewound design for very low-resistance and high-power capacity. When higher resistance with lower power capacity is required, use our Round Wire design. These resistors are constructed of a heavy-resistance alloy mounted on ceramic insulators and supported by a metal mounting bracket. Metal parts, except for the resistance element, are heavily plated to prevent oxidation at high operating temperatures and to prevent corrosion. The mounting bar is slotted on each end to facilitate installation. Edgewound units provide clamp-type terminals, permitting a reliable connection which can be moved along the resistive element to obtain intermediate values.

ARCOL UK Ltd

Threemilestone Ind. Est
Truro Cornwall TR4 9LG UK
Phone +44 (0)1872 277 431
Fax: +44 (0)1872 222 002

ARCOL

TAP600/800 Series

Ohmite's TAP600/800 Series of planar thick-film resistors dissipates up to 800 watts of power when used with a liquid or air-cooled heat-sink system. The TAP600/800 resistors are typically used in applications that include variable speed drives, power supplies, robotics, motor control, control devices, and other power designs. The resistive element is specially designed for low inductance and capacitance, and provides stable performance in addition to high wattage and pulse loading capability. The high alumina content ceramic metallized base plate is ideal for heat transfer and optimum discharge into a heatsink.

Ohmite Manufacturing Company

27501 Bella Vista Parkway
Warrenville, IL 60555
Phone: 866-964-6483
Fax: 847-574-7522
sales@ohmite.com

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