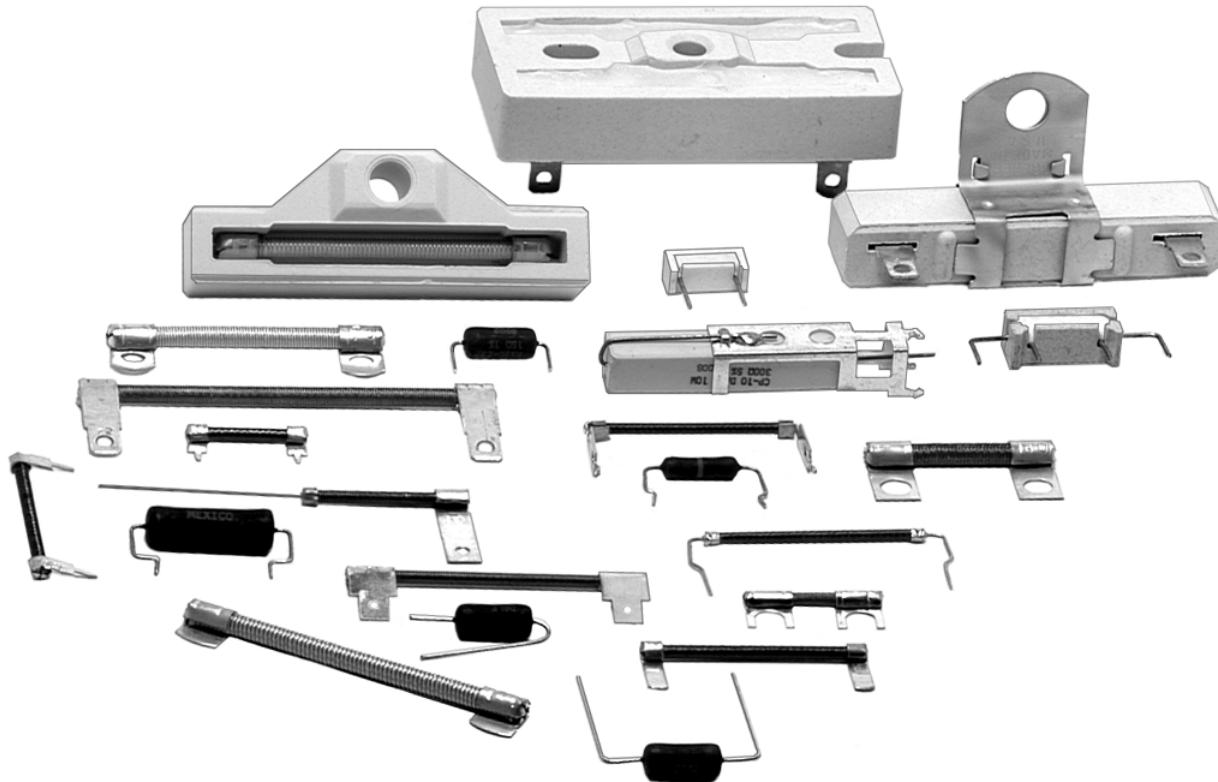


Wirewound Resistors Lead Formed, High Powered, Tab Terminations



LEAD FORMED PRODUCTS

A variety of standard lead forms are available for use where auto-insertion is not available or practical. Forms vary from simple right angle lead bends, vertical hair pin bends, to lock in styles that lock into the circuit board. This provides for a positive stand-off while holding the part securely in place during further handling.

HIGH POWERED RESISTORS

High power, low cost, ceramic cased resistors are available in a range of wattage ratings and termination styles. From 25 W to 50 watts (even more with proper heat sinks) these resistors can be supplied with wire leads or quick disconnects and several mounting techniques. Frequently used in power supplies, motor controllers, and automotive applications, these products can be custom tailored to individual needs.

TAB TYPE TERMINATIONS

These resistors, widely used in automotive applications, provide high wattage and easy mounting by directly mounting to binding posts, soldering or welding, or by use of quick disconnect terminals.

BRACKETS CHASSIS MOUNTS CIRCUIT BOARD MOUNTING

A variety of brackets are available for mounting ceramic cased resistors directly to a chassis or heat sink, or directly onto a circuit board. Benefits include higher heat dissipation and positive mounting where quick disconnect or hand solderable terminals are used, or a very minimal amount of board space is available making a vertical mount necessary. In addition, several styles can be supplied for mounting in circuit boards, with or without a ceramic case.

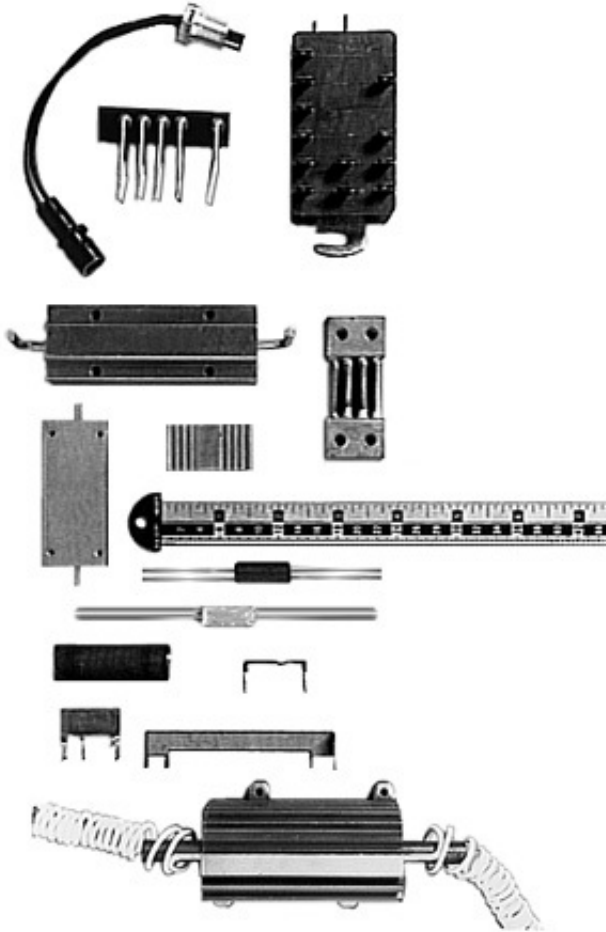
CONTACT VISHAY DALE ENGINEERING FOR ALL YOUR SPECIAL PURPOSE WIREWOUND RESISTOR REQUIREMENTS:

- Heaters
- High T C
- Surface Mount
- Special Lead Forming
- Special Length, Flexible Resistors
- Fusible Types
- Current Sensing
- Special Mounting
- High Pulse Capabilities
- Lightning Surge/Power Cross Capabilities



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Vishay Dale



The photo on the left illustrates only a few of the many special purpose wirewound resistors built by the Vishay Dale Special Products Section of the Wirewound Division.

Full-time engineers assigned to this section draw on the industry's largest file of non-standard resistor design and production information. Often, in a matter of minutes, these engineers determine a fast, practical route to the production of your non-standard part.

The list below shows some of the options and combinations which can be achieved.

WIREWOUND OPTIONS

Construction:

Heat sink, silicone coated, epoxy or silicone molded (single or multi-element), clip mounted or fireproof inorganic construction.

Leads:

Radial and axial type, special materials and dimensions, spaded, threaded, insulated, quick-disconnect eyelet, printed circuit, ferrule.

Matching:

By pairs or sets for TC, tolerance or ratio.

Special Types:

Extended low or high resistance range, adjustable, low reactance, special wire alloys, very low or high TC, high stability, special tolerances, tapped, watercooled, temperature sensitive, inductive.

Pre-conditioning:

Power aging, temperature cycling, temperature and power, short-time overload, thermal shock, X-ray, temperature aging.

Shunts:

Low value, 4-terminal resistors built to customer specifications or designed by our engineers to meet your current sensing requirements.

Fuse Resistors:

Our hybrid components designed to act as an ordinary resistor under normal circuit conditions, and as a fuse under fault conditions. Vishay Dale offers a variety of physical sizes and basic styles. Each application should be referred to Vishay Dale for an individual design to insure optimum performance in any particular circuit. See our special pages on fuse resistors.

For prompt attention to your special resistor requirements, contact Vishay per the e-mail address at the bottom of the page.