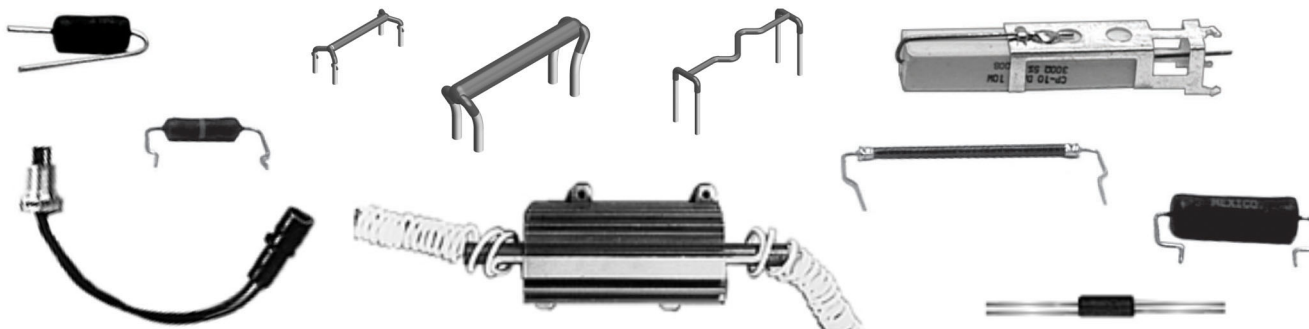




## Custom Capabilities Lead Formed, High Powered, Tab Terminations, Quick Connect Wirewound Resistors



### CAPABILITIES

- Lead formed products
- Chassis mounts, circuit board mounting
- Heaters
- High TCR
- Quick connect, solder tab terminals
- Fusible types
- Current sensing
- High pulse capabilities
- Lightning surge / power cross capabilities

### CONTACT INFORMATION

For design assistance, contact: [ww2aresistors@vishay.com](mailto:ww2aresistors@vishay.com)

### 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 TAB TYPE TERMINATIONS CHASSIS, HEATSINK MOUNT

High power, low cost, ceramic- or metal-cased resistors are available in a range of wattage ratings and termination styles. From 20 W to 65 W (even more with proper heatsinks), these resistors can be supplied with quick connects or solder tab terminals. Brackets are available for mounting directly to a chassis or heatsink, or for vertical mounting if limited board space is available.

### 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 connect, solder tab, printed circuit, ferrule.

#### Matching

By pairs or sets for TCR, tolerance or ratio.

#### Special Types

Extended low or high resistance range, low reactance, special wire alloys, very low or high TCR, 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 ensure optimum performance in any particular circuit. See our fuse resistor datasheet [www.vishay.com/doc?30232](http://www.vishay.com/doc?30232).

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

The photo below 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.





## Disclaimer

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Vishay makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product. To the maximum extent permitted by applicable law, Vishay disclaims (i) any and all liability arising out of the application or use of any product, (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.

Statements regarding the suitability of products for certain types of applications are based on Vishay's knowledge of typical requirements that are often placed on Vishay products in generic applications. Such statements are not binding statements about the suitability of products for a particular application. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts. Product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein.

Hyperlinks included in this datasheet may direct users to third-party websites. These links are provided as a convenience and for informational purposes only. Inclusion of these hyperlinks does not constitute an endorsement or an approval by Vishay of any of the products, services or opinions of the corporation, organization or individual associated with the third-party website. Vishay disclaims any and all liability and bears no responsibility for the accuracy, legality or content of the third-party website or for that of subsequent links.

Vishay products are not designed for use in life-saving or life-sustaining applications or any application in which the failure of the Vishay product could result in personal injury or death unless specifically qualified in writing by Vishay. Customers using or selling Vishay products not expressly indicated for use in such applications do so at their own risk. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay. Product names and markings noted herein may be trademarks of their respective owners.