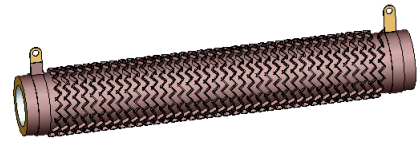


Key Features

- Rugged, High Quality Enamel Coating.
- Corrugated Ribbon Winding.
- All Welded Construction for Maximum Reliability.
- Designed to Withstand High Overloads

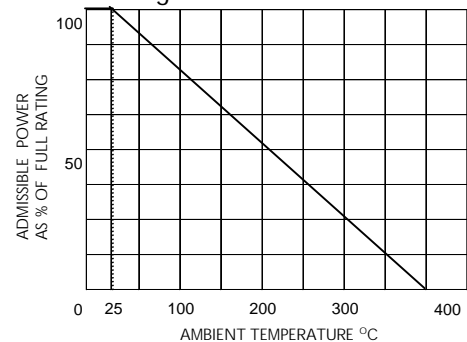


The PVRC series of resistors are designed for handling high currents at low resistance values in a small envelope size. These resistors are made by laying a corrugated ribbon of resistance tape on a ceramic former. The wire is securely held on the ceramic with high temperature withstanding vitreous enamel. This rugged coating provides the wire with very good protection. Typically these resistors would be used in motor starting circuits, dynamic braking and welding equipment.

Electrical Specifications

| | |
|----------------------|---|
| Power Rating | Based on 25°C in free air |
| Ohmic Values | As in Table below |
| Available Tolerances | 2%, 5%, Standard:10% |
| Derating | From Full Power @25°C to Zero @400°C |
| Overload | 10 x Rated Wattage for 5 Seconds |
| Temp Co-efficient | 400ppm/°C Max |
| Dielectric Strength | 1000VAC measured from Terminal of Resistor to Mounting Bracket of Resistor. |

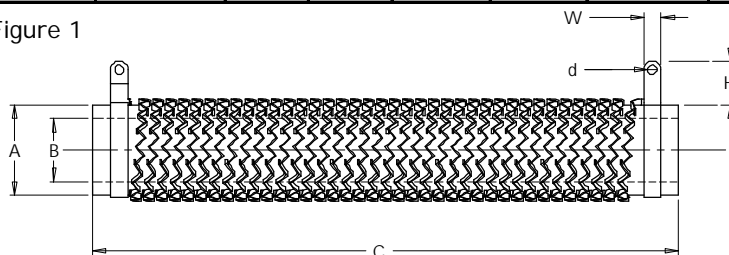
Derating curve



Dimensional Specifications & Resistance Range

| Type | Power Rating @ 25C | Resistance Value | | Dimensions in Inches(millimeter) | | | | | |
|---------|-----------------------|------------------|-----|----------------------------------|------------------|-----------------|---------------------|-----------------|-----------------|
| | | | | Core ID | | | Terminal Dimensions | | |
| | | Min | Max | A | B | C | W | H | d |
| PVRC90 | 90W | 0.5 | 10 | 0.5625 (14.29) | 0.3125 (7.94) | 4.0 (101.6) | 0.25 (6.35) | 0.56 (14.29) | 0.173 (4.4) |
| PVRC180 | 180W | 0.5 | 20 | 0.75 (19.05) | 0.5 (12.7) | 6.5 (165.1) | 0.3125 (7.94) | 0.56 (14.29) | 0.173 (4.4) |
| PVRC300 | 300W | 1 | 30 | 1.125 (28.58) | 0.75 (19.05) | 8.5 (215.9) | 0.375 (9.53) | 0.62 (15.87) | 0.196 (4.98) |
| PVRC375 | 375W | 1 | 50 | 1.125 (28.58) | 0.75 (19.05) | 10.5 (266.7) | 0.375 (9.53) | 0.62 (15.87) | 0.196 (4.98) |

Figure 1



Note: Other Tube Sizes and Power Ratings are also available. Please contact us with Your Resistor Requirements.

Ordering Code

| Type,Wattage | Ohms | Tolerance | Special Req. |
|--------------|---------|------------|--|
| PVRC375 | 0R5-50R | K-10% J-5% | Different Terminals Special Windings Mounting Hardware |

Minimum Order Quantity(MOQ):100 Nos per Resistance Value per Order

This publication is issued to provide outline information only and (unless specifically agreed to the contrary by the Company in writing) is not to form part of any order or be regarded as a representation relating to the products or service concerned. We reserve the right to alter without notice the specification, design, price or conditions of supply of any product or service. Whilst products are of the very highest quality and reliability, all electronic components can occasionally be subject to failure. Where failure of a product could result in life threatening consequences, the circuit and application must be discussed with the Company. Such areas might include ECG, respiratory, other medical and nuclear applications and any non fail safe applications circuit.

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