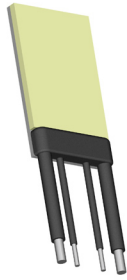


# FHR 4-2036D/D

Special Resistors



- Customized Resistance Values
- Power Rating to 5Watt
- Resistance Tolerances to  $\pm 0.2\%$
- TCR to  $\pm 15\text{ppm/K}$
- Excellent Pulse Handling Capabilities (350J)

## SPECIFICATIONS

| Type                        | FHR 4-2036D/D                           |
|-----------------------------|---|
| Resistance Range            | 0.035 Ohms<br>Other values upon request |
| Power rating (70°C)         | 5 W                                     |
| Max. Pulse Energy           | 350J / 500ms                            |
| Tolerances                  | 0.2%<br>Other tolerances upon request   |
| Thermal Resistance          | 12 K/W                                  |
| Stability                   | 0.5%                                    |
| Temperature Coefficient     | $\pm 15\text{ppm/K}$ (20 to 60°C)       |
| Insulation Resistance       | 500 VDC                                 |
| max. Current                | 12 A                                    |
| Thermal EMF                 | $< 0.1\mu\text{V/K}$                    |
| Operating Temperature Range | -40 to 130°C                            |
| Resistor Material           | CuNiMn-Foil                             |
| Substrate                   | Al                                      |
| Connector Material          | Cu / tinned                             |
| Terminals                   | 2                                       |

## Ordering Information

Part Number - Resistance - Tolerance  
FHR 4-2036D/D 0.035 Ohms 0.02%

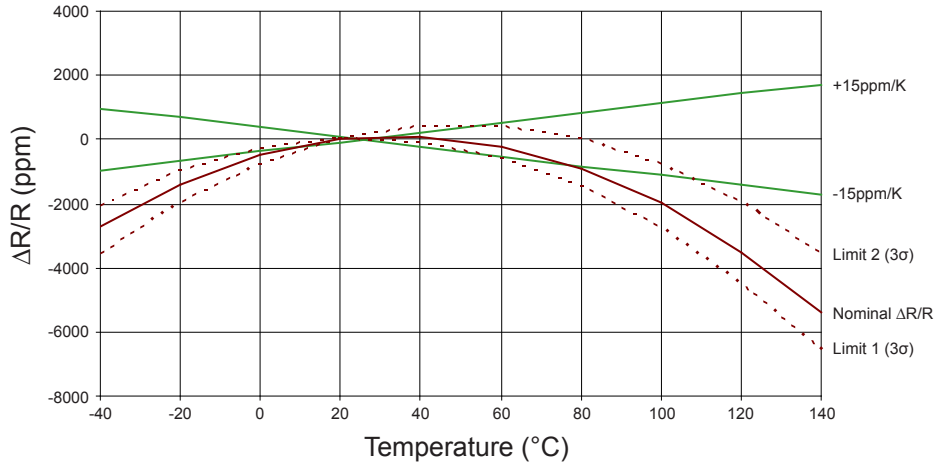
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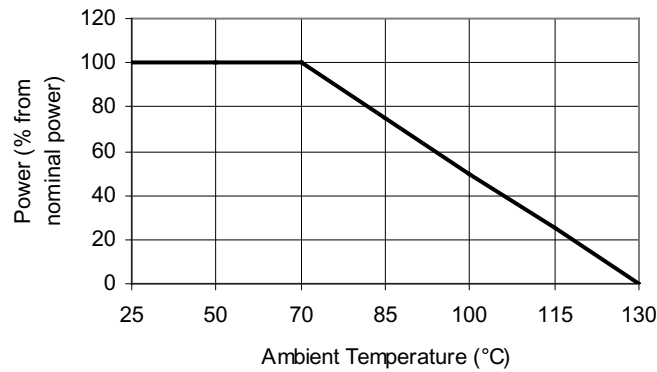
rev. 03/2006A

**SPECIFICATIONS** (continued)

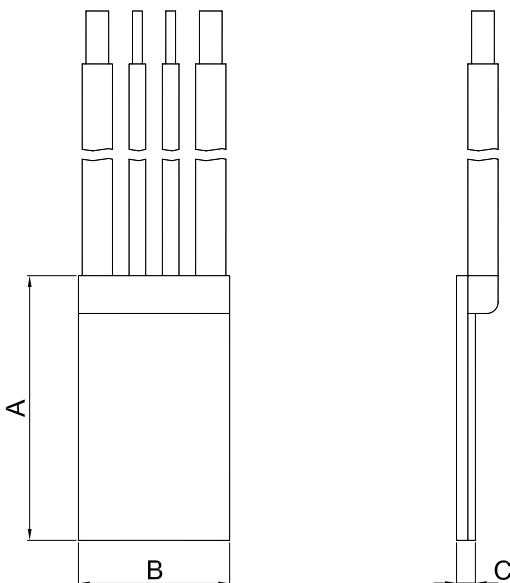
**Temperature Coefficient**



**Derating**



**Dimensions**



| Dimension | mm    | tol. (±mm) | inches | tol. (±inches) |
|-----------|-------|------------|--------|----------------|
| A         | 35.00 | 0.3        | 1.38   | 0.012          |
| B         | 20.00 | 0.2        | 0.79   | 0.008          |
| C         | 2.50  | 0.2        | 0.10   | 0.008          |