

Cement Fixed Resistors

Performance Specification

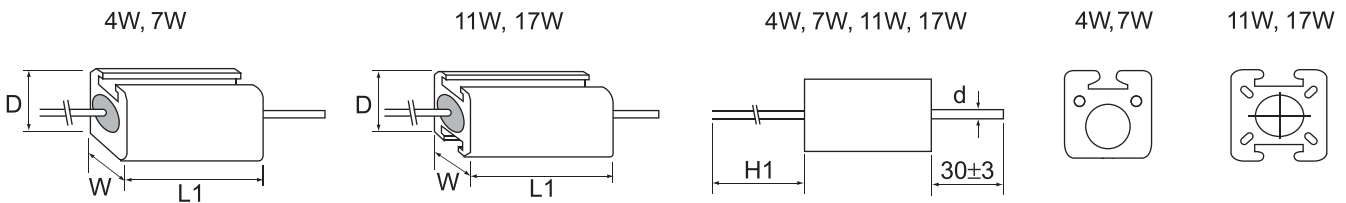
| | |
|---------------------------------|--|
| Temperature Coefficient | <20Ω: ±400PPM/°C; ≥20Ω: ±350PPM/°C |
| Short Time Overload | ±(5.0% + 0.05Ω)Max, with no evidence of mechanical damage. |
| Dielectric Withstanding Voltage | No evidence of flashover, mechanical damage, arcing or insulation breakdown. |
| Terminal Strength | No evidence of mechanical damage. |
| Resistance to Soldering Heat | ±(1.0% + 0.05Ω)Max, with no evidence of mechanical damage. |
| Solderability | Min. 95% coverage. |
| Temperature Cycling | ±(2.0% + 0.05Ω)Max, with no evidence of mechanical damage. |
| Humidity (Steady State) | ±(5.0% + 0.05Ω)Max, with no evidence of mechanical damage. |
| Load Life in Humidity | ±(5.0% + 0.05Ω)Max, with no evidence of mechanical damage. |
| Load Life | ±(5.0% + 0.05Ω)Max, with no evidence of mechanical damage. |

Features

- Vertical or Axial type
- Rated power: 4W - 17W
- Tolerance: 5%, 10%
- Dielectric withstanding voltage: 2,000V
- Withstand high overload current
- Non - flammable
- Extremely small, sturdy and mechanically safe
- Special solvent resistance



PRWI Type



| Part No. | Style | Power Rating at 70°C | Dimension (mm) | | | | | Low Resistance Range | Standard Resistance Range | High Resistance Range |
|----------|----------|----------------------|----------------|-----|-----|-----|--------|----------------------|---------------------------|-----------------------|
| | | | W±1 | D±1 | L±1 | H±1 | d±0.05 | | | |
| PRWI4W | PRWI4W | 4W | 7 | 8 | 20 | 56 | 0.75 | 0.1Ω ~ 0.9Ω | 1Ω ~ 1KΩ | 1.1KΩ ~ 6.8KΩ |
| PRWI7W | PRWI7W | 7W | 7 | 8 | 38 | 70 | 0.75 | 0.33Ω ~ 0.9Ω | 1Ω ~ 10KΩ | 10.1KΩ ~ 22KΩ |
| PRWIBW | PRWI 11W | 11W | 9 | 10 | 50 | 85 | 0.75 | 0.56Ω ~ 0.9Ω | 1Ω ~ 10KΩ | 10.1KΩ ~ 23KΩ |
| PRWIHW | PRWI 17W | 17W | 9 | 10 | 75 | 110 | 0.75 | 1Ω ~ 9.9Ω | 1Ω ~ 10KΩ | 10.1KΩ ~ 39KΩ |

Remarks: Max Working Voltage: 500V
Max Overload Voltage: 1,000V

Derating Curve

