

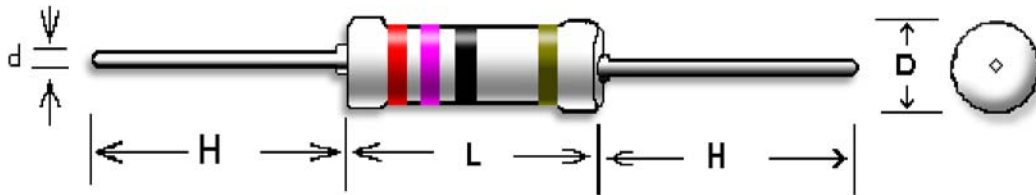
PWR02 - Power Metal Film Resistor

Specifications Per

- IEC 115-1
- MIL R-10509F
- DIN 44601

Features

- Conformal Multi-layer Coating
- Color Code Per MIL & EIA Standards
- Special Tin Plated Electrolytic Copper Lead Wire



Dimensions:

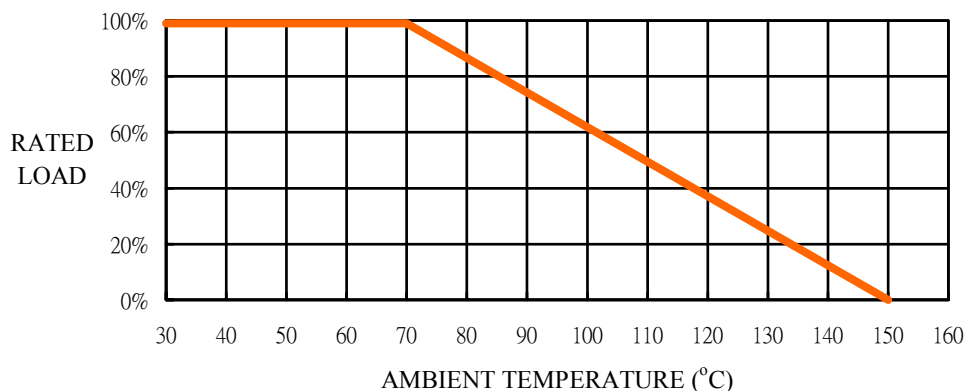
Body Length (L, mm)	Body Diameter (D, mm)	Lead Wire Length (H, mm)	Lead Wire Diameter (d, mm)	Net Weight Per 1000Pcs
11±1.0	3.5±0.5	28±3.0	0.8±0.03	220 Grams

General Specifications:

Power Rating At 70°C	Max. Working Voltage	Max. Overload Voltage	Min. Resistance	Max. Resistance	Resistance Tolerance	Standard Resistance Values
1.2W	500V	700V	0.33Ω	0.91Ω	±5%	E-24
2W	500V	700V	1Ω	1MΩ	±5%	E-24

Special sizes, values, and specifications not listed available on special order.

POWER DERATING CURVE



Jun. 01, 1999

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Technical Specifications:

Characteristics	Limits
Dielectric Withstanding Voltage, V AC or DC	500
Temperature Coefficient, PPM / °C	±250
Operating Temperature Range, °C	-55~+150
Insulation Resistance, MΩ	10 ⁴ Min.
Voltage Coefficient, PPM / V	25

Performance Specifications:

Test Characteristics	Test Conditions	Limits
Short Time Over Load	IEC 60115-1 4.13 5 seconds 2.5x rated voltage (not over max. overload voltage)	±(3%+0.05R)
Load Life In Humidity	IEC 60115-1 4.24 56 days at 40°C and 93% relative humidity	±5%
Load Life 1,000 hours	IEC 60115-1 4.25.1 Rated load 1.5 hours ON, 0.5 hours OFF, at 70°C	±5%
Resistance To Soldering Heat	IEC 60115-1 4.18 10 seconds at 260°C solder bath temperature	±(1%+0.05R)
Solderability	MIL-STD-202 Method 208 Solder area covered after 230±5°C/5±0.5 seconds w/ flux applied	95% Min.
Vibration	IEC 60115-1 4.22 Six hours in each parallel and axial direction w/ a simple harmonic motion having an amplitude of 0.75mm and 10 to 500 Hz.	±(0.5%+0.05R)
Terminal Strength	IEC 60115-1 4.25.3 1000 hours at 150°C without load	±(3%+0.05R)
Thermal Shock	IEC 60115-1 4.19 -55°C 30minutes, +150°C 30minutes, 5 cycles	±(3%+0.05R)

Ordering Information

Type	Tolerance	Resistance Value	Packaging	Special Request (Optional)
PWR02	J (5%)	10K	TB (Tape/Box)	LV (Low value)

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