

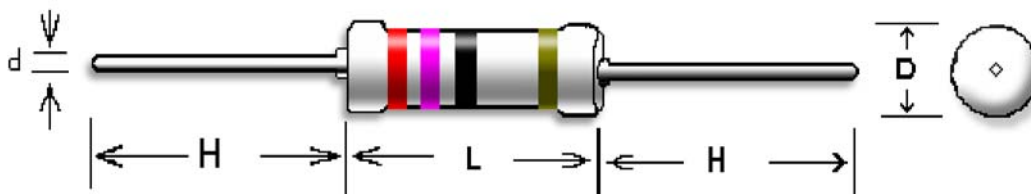
PWR01 - Power Metal Film Resistor

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:

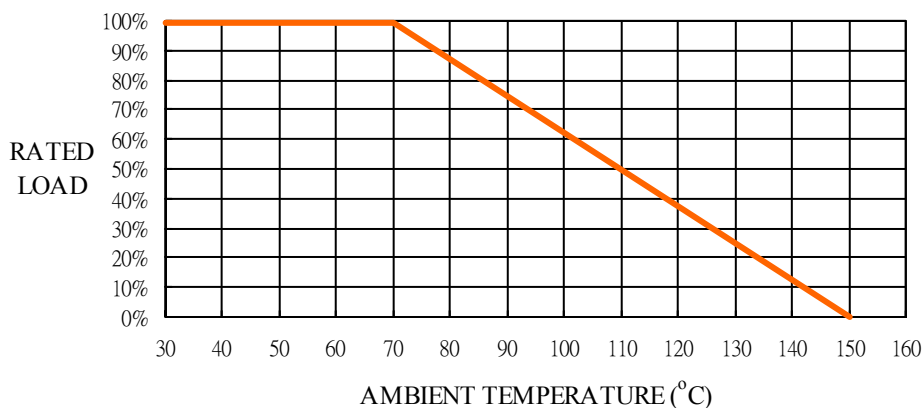
Body Length (L , mm)	Body Diameter (D , mm)	Lead Wire Length (H , mm)	Lead Wire Diameter (d , mm)	Net Weight Per 1000Pcs
6.5±1.0	2.4±0.2	26±3.0	0.55±0.02	220 Grams

General Specifications:

Power Rating At 70°C	Max. Working Voltage	Max. Overload Voltage	Min. Resistance	Max. Resistance	Resistance Tolerance	Standard Resistance Values
0.6W	350V	500V	0.22Ω	0.91Ω	±5%	E-24
1W	350V	500V	1Ω	1MΩ	±5%	E-24

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

POWER DERATING CURVE



Mar. 01, 1999

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Technical Specifications:

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

Performance Specifications:

Test Characteristics	Test Conditions	Limit
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	MIL-STD-202 Method 204 Six hours in each parallel and axial direction w/ a simple harmonic motion having an amplitude of 1.52mm and 10 to 20,000 Hz.	±(0.5%+0.05R)
Terminal Endurance	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	Temperature Coefficient	Resistance Value	Packaging	Special Request (Optional)
PWR01	J (5%)	TK250	10K	TB (Tape/Box)	LV (Low value)

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