



High Voltage Thick Film Resistor

PUT30 Series

Key Features:

- Excellent stability in operation
- Low Inductance
- Design available to withstand High pulses
- Solid Ceramic Core Construction
- Resistance Track made with Ruthenium oxide Thick Film
- Overglaze & Polymer coat for Environmental Protection
- Brass End Cap Contacts



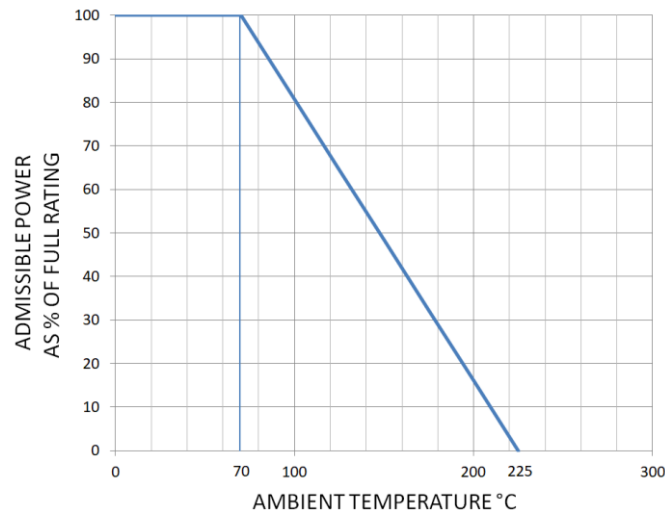
Technical Data

Power Rating	30W
Maximum Voltage	45KV
Tolerance	±1%, ±5%
Ohmic Range	100KΩ – 1GΩ
Working Temperature	-55°C to 225°C
Voltage Coefficient Resistance(VCR)	<0.5ppm/volt
Temperature Coefficient Resistance(TCR)	±100ppm/°C
Insulation Resistance(at 500V for 1Min)	10,000MΩ
Dielectric Strength (>1KV @25°C)	No Flash over
Terminal Strength(Bending, Tensile, Torsion)	No Mechanical Damage

Performance Characteristics

Test Methods	Test Conditions	Test Limits
Short Term Overload	1.5 x Rated Power, 5 seconds (Do not exceed max. Voltage)	± 0.25% Max.
Endurance at Room Temperature	1.5Hrs ON, 0.5Hrs OFF for 1000Hrs	± 0.5% Max.
Thermal Shock	MIL Std. 202, method 107 Cond. C	± 0.2% Max.
Moisture Resistance	95%Rh at 65°C, 10 cycles of 24 Hours (MIL Std. 202, method 106)	± 0.25% + 0R05
Resistance to Soldering Heat	260°C, 10 seconds	± 0.5% + 0R05

Derating Chart:

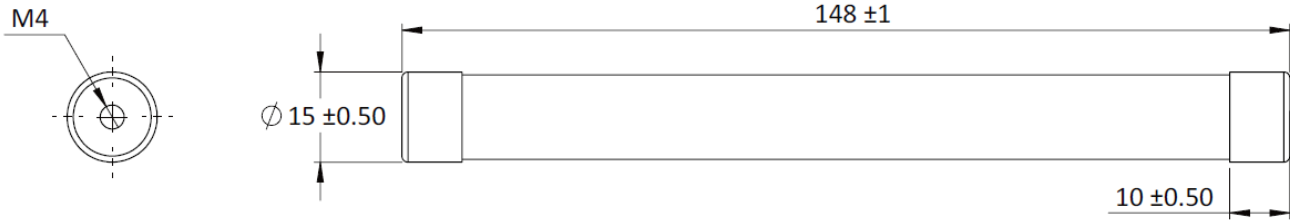




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Component Drawing:



To Order – Please Specify:

PEC Type	Ohmic Value	Tolerance	Packing Style	Release Condition	Termination	TCR
PUT30	100,000Ω-100K 1,000,000Ω-1M 10,700,000Ω-10M7 1,000,000,000Ω-1G	1%-F 5%-J	Bulk-B	Commercial-X	Standard-S	Standard-S

SAMPLE PART NUMBER: PUT30-1M-FBXSS

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