

FEATURES

- 70 Watt power rating at 25°C case temperature
- Non-inductive performance
- Low thermal resistance
- RoHS compliant design
- Two or three terminal versions available
- Heat sink can be grounded through middle terminal (P style)

SPECIFICATIONS

Material

Resistor: thick film on alumina

Lead: solder coated phosphor bronze

Solder: 100% Sn

Case: high temperature plastic

P Package: middle terminal is electrically connected to header and insulated from left and right terminals

M Package: no middle terminal

Electrical

Derating: linear, 100% at 25°C to 0% at 150°C

Resistance range: 2Ω-10KΩ

Max. working voltage: 500V or Ohm's Law limited

Thermal Resistance: 1.79°C/W

Temperature Coefficient:

2Ω-10Ω: ±100ppm

10Ω-10KΩ: ±50ppm

Insulation Resistance: 400 MΩ

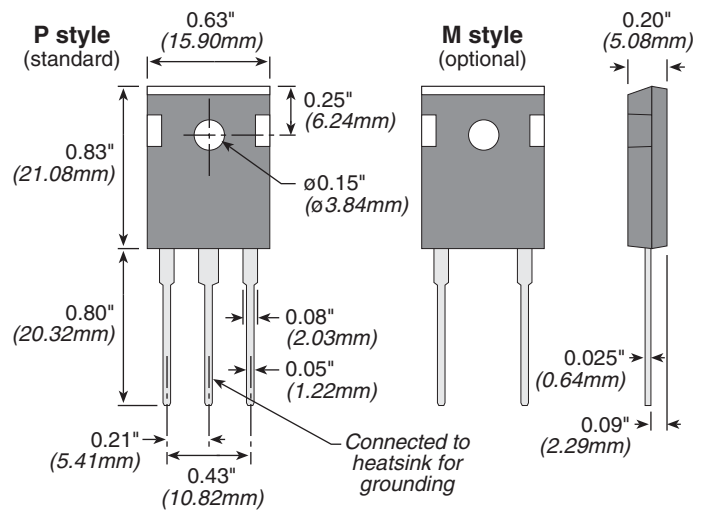
Short time overload: 2x rated power for 5 sec., not to exceed 1.5x max. working voltage

Dielectric Strength: 2000 VDC

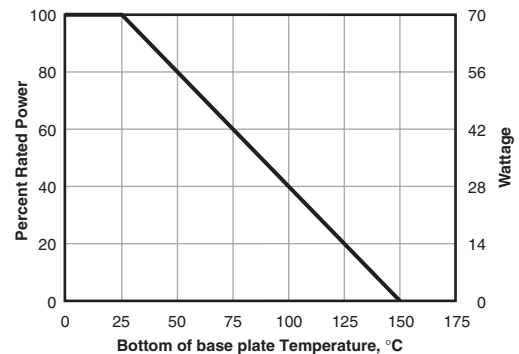


TEH70 Series

70 Watt T0247 Package Thick Film Power



DERATING



ORDERING INFORMATION

Package Code
 P = three terminals
 M = two terminals

RoHS Compliant
 Non-compliant version unavailable

TEH70P10R0JE

Series: TEH70
Ohms: P10R0
Tolerance: JE = 5%

R = Decimal
 Example:
 10R2 = 10.2 ohms
 100R = 100 ohms
 15K0 = 15,000 ohms

Check product availability at www.ohmite.com

THIS PRODUCT IS DESIGNED FOR USE WITH PROPER HEATSINKING.

Maximum base plate temperature of the resistor must be monitored and kept within specified limits to establish the power rating. Best technique is to attach a thermocouple to the side of the base plate of the resistor. Temperature of plastic housing or heat sink cannot be used to establish rating of the resistor.

Check product availability
 using the Worldwide Inventory
 Search at ohmite.com