3R-250

250Watt Mountable Non-Inductive. High Frequency Resistors



Motor Controls, High Energy, RF, High Voltage, Inverters, Pulse & Plasma, Non-Inductive Powers

3R-250 Non-Inductive design these elements are ideally suites for high frequency and pulse load applications. By direct mounting on a heatsink significant cost advantages can be realized for power Appliation from 100w to 600w. 3R-250 can be supplied in a 2-terminal Main applications are Variable speed Drives, ship, train, RF Termination, Power Supplies, Control Devices, Telecom, Robotics, Motor Controls Dynamic Braking, and other switching designs.

3R-250 Non-Inductive 250Watt Mountable, High Frequency Resistors

·Heat Sink Mountable with M4 Screw ·RF Terminal Shunt

·Inverter ·Moter Braking

·Pulse & Plasma

SPECIFICATIONS

Resistance Values: 1R0 to 2Megohm others on

Resistance Tolerance: ± 10% Std.,1%,2%,5%

available on request.

Temperature Coefficient: ± 100ppm/°C typ.

(others upon request)

Maximum Working Voltage: 5,000V DC, higher voltage on request, not execeeding max. power

Single Shot Voltage: Up to 12kV at std. wave

 $(1.5/50 \mu s)$

Insulation Resistance: 10GΩ min. at 500V

Creeping Distance: 42mm min.

Inductance :≤50 nH Capacity/Ground: ≤110pF Capacity/Resistive: ≤40pF

Operation Temperature : -55°C to +155°C

Max. Torque for Contacts: 2 N.m Max. Torque for Mounting: 1.8 N.m

Power Rating: 250W at 50°C Tap Temperature Higher power: 600Watt at 5°C Tap Temperature

Dielectric Strength: Up to 12 kV Termination to Contacts: M5 Screws

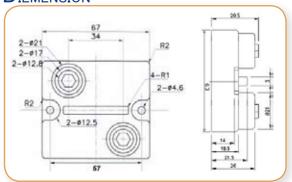
Required thermal transfer compound of-heat

conductivity: 1 W/°C

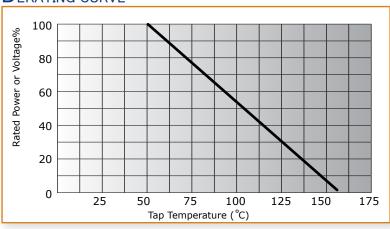
Required flatness of heat sink : ≤ 0.05mm Roughness of the Heatsink surface : $\leq 6.4 \mu m$. Isolation Voltage(Terminal to Heatsink): 7k Vrms



DIEMENSION



DERATING CURVE



cf.: The described specifications & dimensions subject to change without notice.