High Power Resistive Products

Resistors

AVX introduces its line of High Power Resistive Products. All products are designed and manufactured at our ISO 9001 Facilities.

ELECTRICAL SPECIFICATIONS

Resistance: 50 and 100 Ω standard (10 Ω - 200 Ω available)
Resistance Tolerance: ±5% standard (±2% available)
Power: 2 Watts through 250 Watts
Operating Temperature Range: -55°C to +150°C
Temperature Coefficient: < 150 ppm/°C
Low Capacitance

MECHANICAL SPECIFICATIONS

Package: Surface Mount Chips, Chips, Leaded Chips, Flanged
Substrate Material: Aluminum Nitride
Process: Thin Film
Resistive Material: Tantalum
Terminals: Silver
Cover: Alumina
Mounting Flange: 100% Cu, Ni or Ag Plated
Mechanical Tolerance: ±0.13 (0.005)
SMT and Chip products, supplied on Tape and Reel
Non-Magnetic (exception RP4 and RP5 Style Surface Mount Resistors)
RoHS Compliant

POWER DERATING

[Graph showing power derating over heat sink temperature]
CHIP RESISTORS – RP3 SERIES

GENERAL SPECIFICATIONS

Resistance: 50 and 100 Ω standard (contact factory for custom resistance values)
Resistive Tolerance: ±5% standard (2% available)
Operating Temp Range: -55ºC to +150ºC
Temperature Coefficient: <150 ppm/ºC
Resistive Elements: Proprietary Thin Film
Substrate Material: Aluminum Nitride
Terminals: Silver
RoHS Compliant
Non-Magnetic
Tape and Reel Specifications: See Page 37

HOW TO ORDER

AVX Series
RP3
Case Size
See chart above
Type
R = Resistor
Value
0050 = 50Ω
0100 = 100Ω
Tolerance
J = ±5%
G = ±2%
Terminal
T = Silver
Packaging
TR = Tape & Reel

Contact factory for custom ratings and sizes.

POWER DERATING

* xxxx denotes Ohm value.
** Test Condition: Chip soldered to a large copper carrier whose surface is at 100ºC; maximum rated power applied.