

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: $\pm 5\%$ standard ($\pm 2\%$ available)

Power: 2 Watts through 250 Watts

Operating Temperature Range: -55°C to $+150^{\circ}\text{C}$

Temperature Coefficient: $< 150 \text{ ppm}/^{\circ}\text{C}$

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)

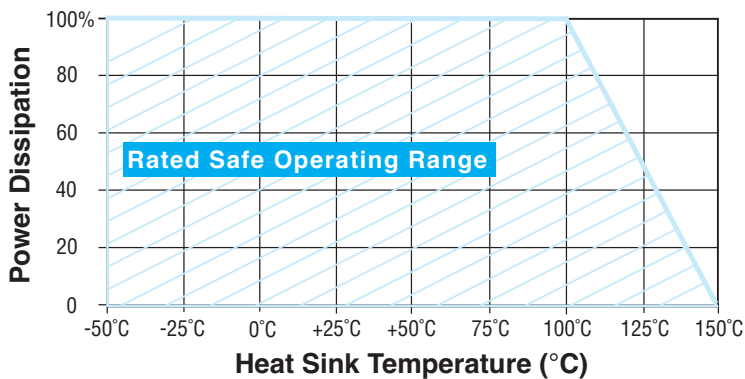
SMT and Chip products, supplied on Tape and Reel

Non-Magnetic (exception RP4 and RP5 Style Surface Mount Resistors)

RoHS Compliant



POWER DERATING



High Power Resistive Products

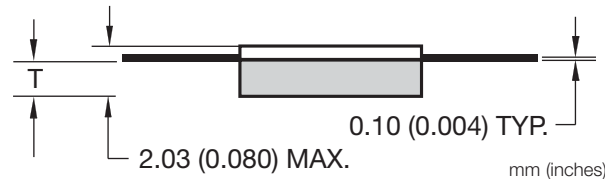
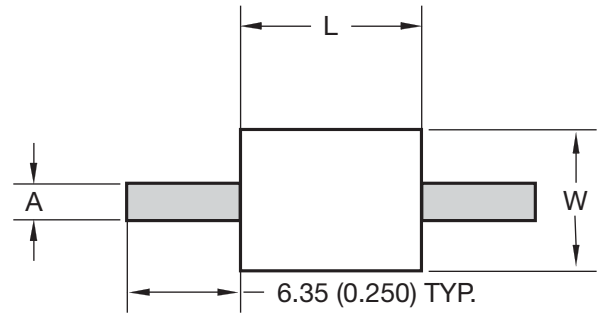


Resistors

LEADED CHIP RESISTORS – RP7 SERIES

GENERAL SPECIFICATIONS

- Resistance:** 50 and 100 Ω standard (contact factory for custom resistance values)
- Resistive Tolerance:** ±5% standard (2% available)
- Operating Temp. Range:** -55°C to +150°C
- Temperature Coefficient:** <150 ppm/°C
- Resistive Elements:** Proprietary Thin Film
- Substrate Material:** Aluminum Nitride
- Lead Terminals:** Silver
- Cover:** Alumina
- RoHS Compliant**
- Non-Magnetic**



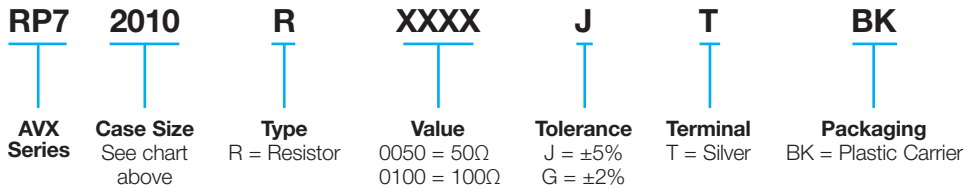
mm (inches)

| AVX Part Number* | W ±0.25 (0.010) | L ±0.25 (0.010) | T ±0.13 (0.005) | A | Capacitance (pF) | Power Max** (Watts) |
|------------------|--------------------|--------------------|--------------------|--------------|------------------|---------------------|
| RP72010RxxxxJTBK | 2.54 (0.100) | 5.08 (0.200) | 1.02 (0.040) | 1.02 (0.040) | 1.0 | 30W |
| RP72335RxxxxJTBK | 8.89 (0.350) | 5.84 (0.230) | 1.02 (0.040) | 1.02 (0.040) | 3.15 | 50W |
| RP72525RxxxxJTBK | 6.45 (0.245) | 6.22 (0.245) | 1.02 (0.040) | 1.02 (0.040) | 2.0 | 60W |
| RP73725RxxxxJTBK | 6.35 (0.250) | 9.53 (0.375) | 1.02 (0.040) | 1.02 (0.040) | 4.15 | 150W |
| RP73737RxxxxJTBK | 9.40 (0.370) | 9.40 (0.370) | 1.02 (0.040) | 1.02 (0.040) | 6.0 | 250W |

* xxxx denotes Ohm value.

** Test Condition: Chip soldered to a large copper carrier whose surface is at 100°C; maximum rated power applied.

HOW TO ORDER



Contact factory for custom ratings and sizes.

POWER DERATING

