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

![Power Derating Graph](graph.png)

The graph illustrates the rated safe operating range for power dissipation at various heat sink temperatures. The x-axis represents the heat sink temperature in °C, while the y-axis shows the power dissipation percentage. The graph demonstrates how the safe operating range decreases as the heat sink temperature increases, ensuring the product's longevity and reliability.

AVX

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FLANGE MOUNT RESISTORS
GENERAL SPECIFICATIONS

Resistance: 50 and 100 Ω standard
(contact factory for custom resistance values)

Resistive Tolerance: ±5% standard (±2% available)

Power: 20-250 Watts

Capacitance: 1.0 pF

Operating Temperature Range: -55°C to +150°C

Temperature Coefficient: <150 ppm/°C

HOW TO ORDER

RP6 0300  R  0100  J  N  BK

AVX Series  Case Size  Type  Value  Tolerance  Terminal  Packaging
R = Resistor  0050 = 50Ω  J = ±5%  N = Silver  BK = Plastic Carrier
0100 = 100Ω  (G = ±2% available Consult Factory)

Contact factory for custom ratings and sizes.

POWER DERATING
FLANGE MOUNT RESISTOR – P/N: RP60300RXXXXJNBK

ELECTRICAL SPECIFICATIONS

Resistance: 50 and 100 Ω standard
(Other resistance values available)
Resistive Tolerance: ±5% standard (±2% available)
Power: 20 Watts
Capacitance: 1.0 pF
Operating Temperature Range: -55°C to +150°C
Temperature Coefficient: <150 ppm/ºC
Tabs: Silver
RoHS Compliant
Non-Magnetic available

For Part Number Code, see page 8.
FLANGE MOUNT RESISTOR – P/N: RP60515RXXXXJNBK

ELECTRICAL SPECIFICATIONS

Resistance: 50 and 100 Ω standard
(other resistance values available)
Resistive Tolerance: ±5% standard (±2% available)
Power: 25 Watts
Capacitance: 2.0 pF
Operating Temperature Range: -55°C to +150°C
Temperature Coefficient: <150 ppm/°C
Tabs: Silver
RoHS Compliant
Non-Magnetic available

For Part Number Code, see page 8.
FLANGE MOUNT RESISTOR – P/N: RP60517RXXXXJNBK

ELECTRICAL SPECIFICATIONS

Resistance: 50 and 100 Ω standard
(other resistance values available)
Resistive Tolerance: ±5% standard (±2% available)
Power: 60 Watts
Capacitance: 2.2 pF
Operating Temperature Range: -55°C to +150°C
Temperature Coefficient: <150 ppm/°C
Tabs: Silver
RoHS Compliant
Non-Magnetic available

For Part Number Code, see page 8.
FLANGE MOUNT RESISTOR – P/N: RP60870RXXXXJNBK

**ELECTRICAL SPECIFICATIONS**

- **Resistance:** 50 and 100 Ω standard (other resistance values available)
- **Resistive Tolerance:** ±5% standard (±2% available)
- **Power:** 150 Watts
- **Capacitance:** 4.15 pF
- **Operating Temperature Range:** -55°C to +150°C
- **Temperature Coefficient:** <150 ppm/°C
- **Tabs:** Silver
- **RoHS Compliant:**
- **Non-Magnetic available**

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FLANGE MOUNT RESISTOR – P/N: RP60975RXXXXJNBK

**ELECTRICAL SPECIFICATIONS**

- **Resistance:** 50 and 100 Ω standard (other resistance values available)
- **Resistive Tolerance:** ±5% standard (±2% available)
- **Power:** 250 Watts
- **Capacitance:** 6.5 pF
- **Operating Temperature Range:** -55°C to +150°C
- **Temperature Coefficient:** <150 ppm/°C
- **RoHS Compliant:**
- **Non-Magnetic available**

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For Part Number Code, see page 8.
High Power Resistive Products

Resistors

FLANGE MOUNT RESISTOR – P/N: RP60562RXXXXJNBK

ELECTRICAL SPECIFICATIONS

Resistance: 50 and 100 Ω standard
(other resistance values available)
Resistive Tolerance: ±5% standard (±2% available)
Power: 75 Watts
Capacitance: 4.15 pF
Operating Temperature Range: -55°C to +150°C
Temperature Coefficient: <150 ppm/°C
Tabs: Silver
RoHS Compliant
Non-Magnetic available

FLANGE MOUNT RESISTOR – P/N: RP60800RXXXXJNBK

ELECTRICAL SPECIFICATIONS

Resistance: 50 and 100 Ω standard
(other resistance values available)
Resistive Tolerance: ±5% standard (±2% available)
Power: 100 Watts
Capacitance: 3.10 pF
Operating Temperature Range: -55°C to +150°C
Temperature Coefficient: <150 ppm/°C
Tabs: Silver
RoHS Compliant
Non-Magnetic available

For Part Number Code, see page 8.