

## Resistors

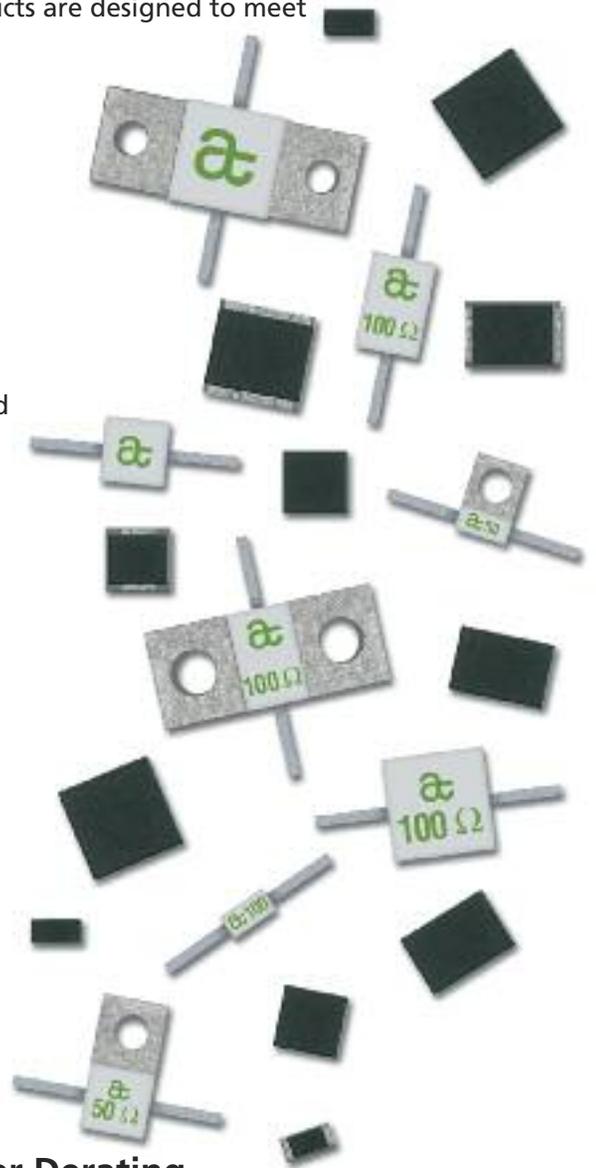
American Technical Ceramics introduces its complete line of High Power Resistive Products. All Products are designed and manufactured at our ISO 9001 Facilities. All products are designed to meet MIL-PRF-55342 and ATC qualification procedure JP625-4102.

### Electrical Specifications

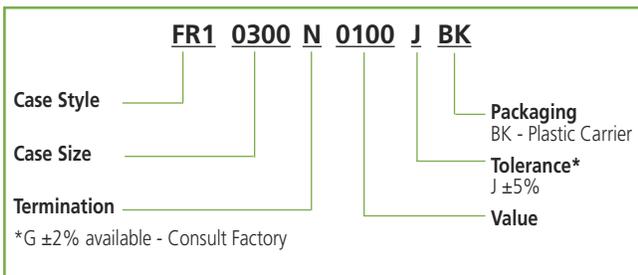
- **Resistance:** 50 and 100  $\Omega$  standard (10  $\Omega$  - 200  $\Omega$  available)
- **Resistance Tolerance:**  $\pm 5\%$  standard ( $\pm 2\%$  available)
- **Power:** 4 Watts through 250 Watts
- **Operating Temperature Range:**  $-55^{\circ}\text{C}$  -  $+150^{\circ}\text{C}$
- **Temperature Coefficient:**  $< 150$  ppm/ $^{\circ}\text{C}$
- **Low Capacitance**

### Mechanical Specifications

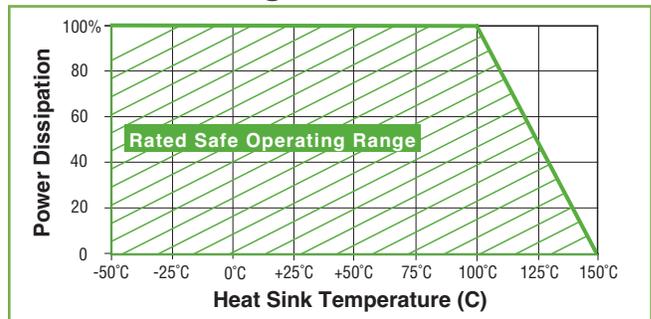
- **Package:** Surface Mount Chips, Chips, Leaded Chips, Flanged
- **Substrate Material:** Aluminum Nitride
- **Process:** Thin Film
- **Resistive Material:** Tantalum
- **Terminals:** Silver
- **Cover:** Alumina
- **Mounting Flange:** 100% Cu, Ni or Ag Plated
- **Mechanical Tolerance:**  $\pm .005$
- **SMT and Chip products, supplied on Tape and Reel**
- **Non-Magnetic**  
(exception CS and CW Style Surface Mount Resistors)
- **Lead-Free, RoHS Compliant**



### ATC Flange Mount Resistors Part Number Code



### Power Derating



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**A M E R I C A N T E C H N I C A L C E R A M I C S**

ATC North America  
sales@atceramics.com

ATC Europe  
sales@atceramics.com

ATC Asia  
sales@atceramics-asia.com

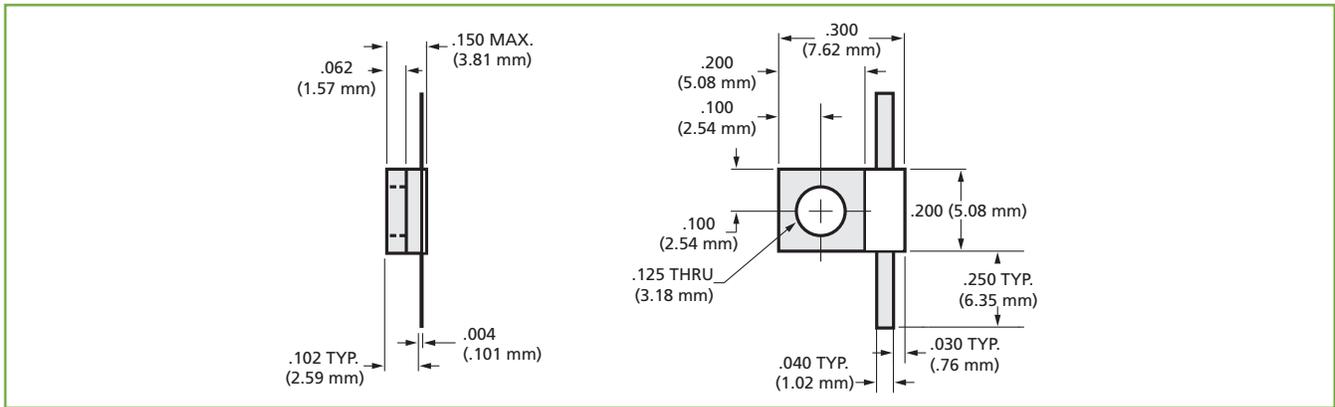
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## High Power, Flange Mount Resistor

P/N: FR10300NxxxxJ

### General Specifications

- Resistance: 100 Ω standard (other Ω 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/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant
- Non-Magnetic available

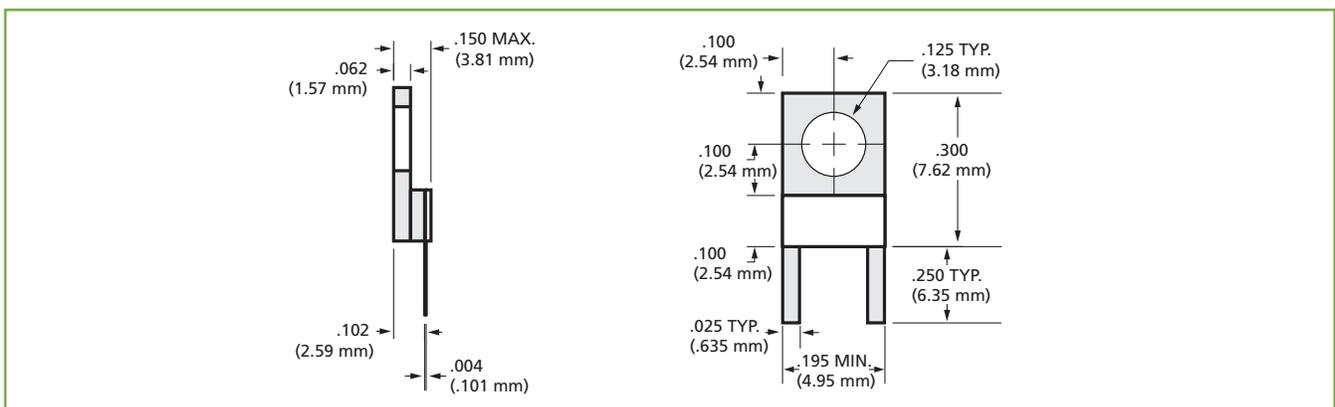


## High Power, Flange Mount Resistor

P/N: FR10302NxxxxJ

### General Specifications

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



For Part Number Code, see page 1.

A M E R I C A N T E C H N I C A L C E R A M I C S

ATC North America  
sales@atceramics.com

ATC Europe  
saleseur@atceramics.com

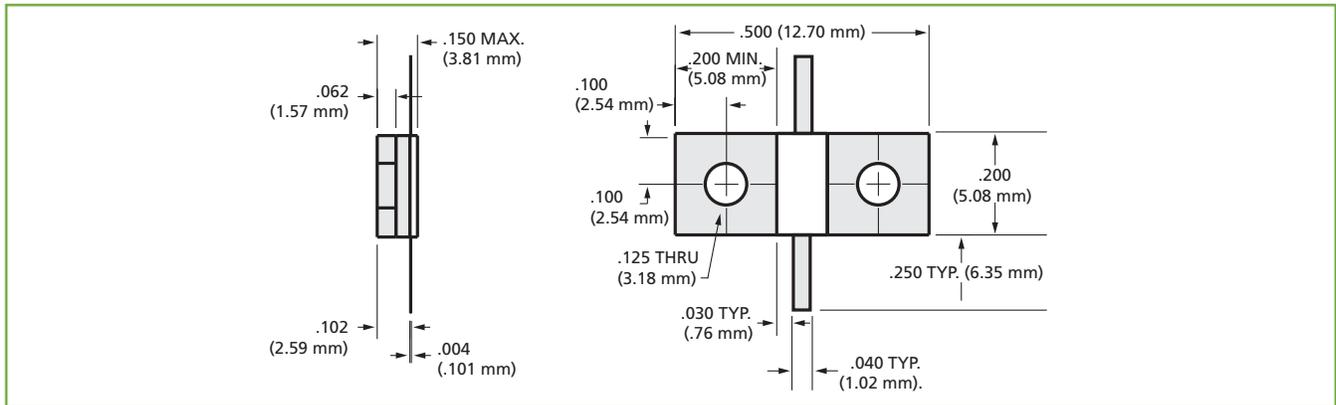
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sales@atceramics-asia.com

## High Power, Flange Mount Resistor

**P/N: FR10500NxxxxJ**

### General Specifications

- Resistance: 100 Ω standard (other Ω values available)
- Resistive Tolerance: ±5% standard (±2% available)
- Power: 25 Watts
- Capacitance: 1.0pF
- Operating Temperature Range: -55 to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant
- Non-Magnetic available

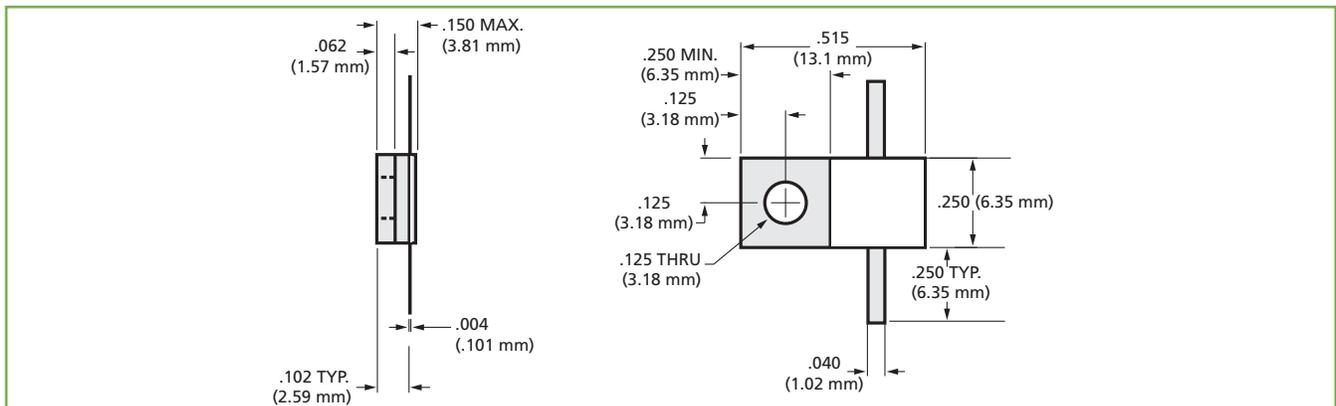


## High Power, Flange Mount Resistor

**P/N: FR10515NxxxxJ**

### General Specifications

- Resistance: 100 Ω standard (other Ω values available)
- Resistive Tolerance: ±5% standard (±2% available)
- Power: 60 Watts
- Capacitance: 2.0 pF
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant
- Non-Magnetic available



For Part Number Code, see page 1.

**A M E R I C A N T E C H N I C A L C E R A M I C S**

ATC North America  
sales@atceramics.com

ATC Europe  
sales@atceramics.com

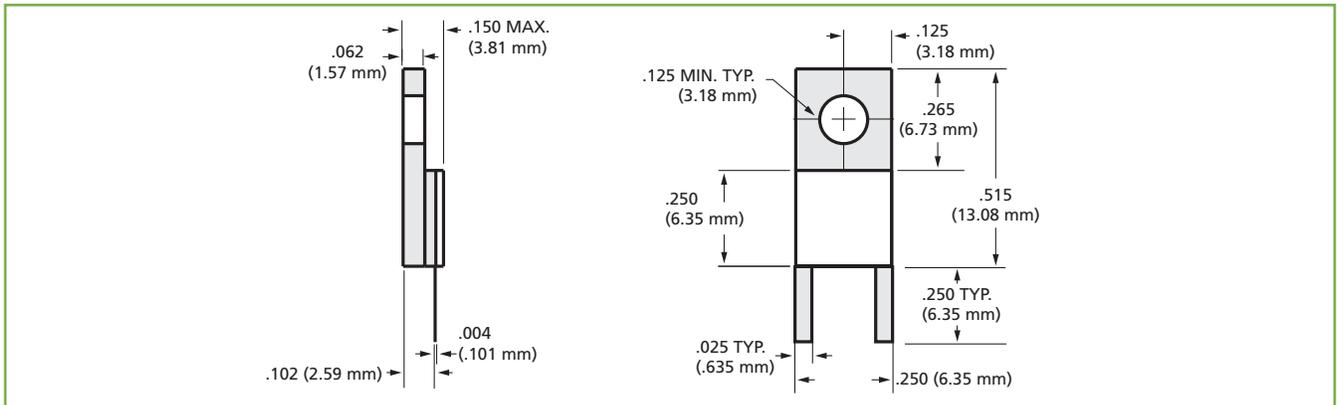
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sales@atceramics-asia.com

## High Power, Flange Mount Resistor

**P/N: FR10517NxxxxJ**

### General Specifications

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

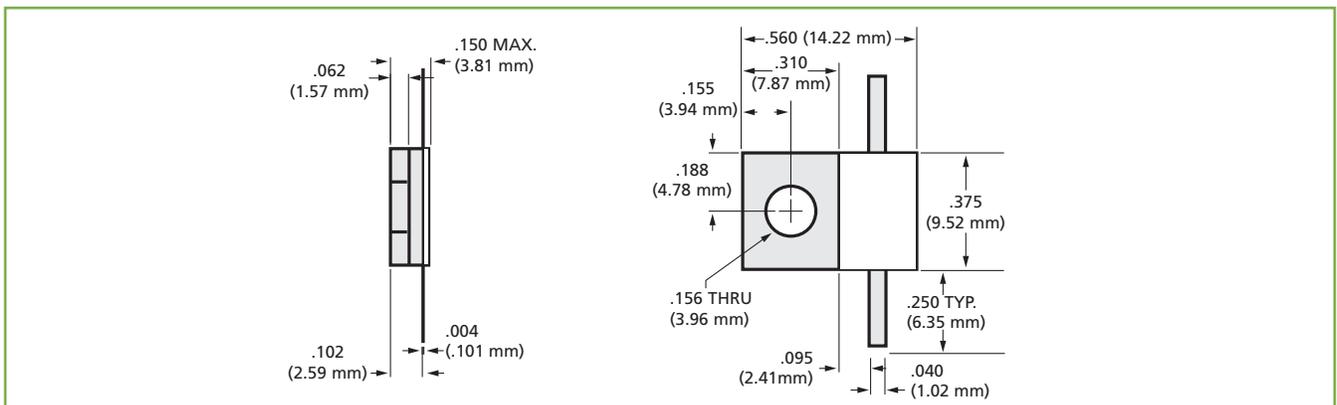


## High Power, Flange Mount Resistor

**P/N: FR10560NxxxxJ**

### General Specifications

- Resistance: 100 Ω standard (other Ω 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
- Lead-Free, RoHS Compliant
- Non-Magnetic available



For Part Number Code, see page 1.

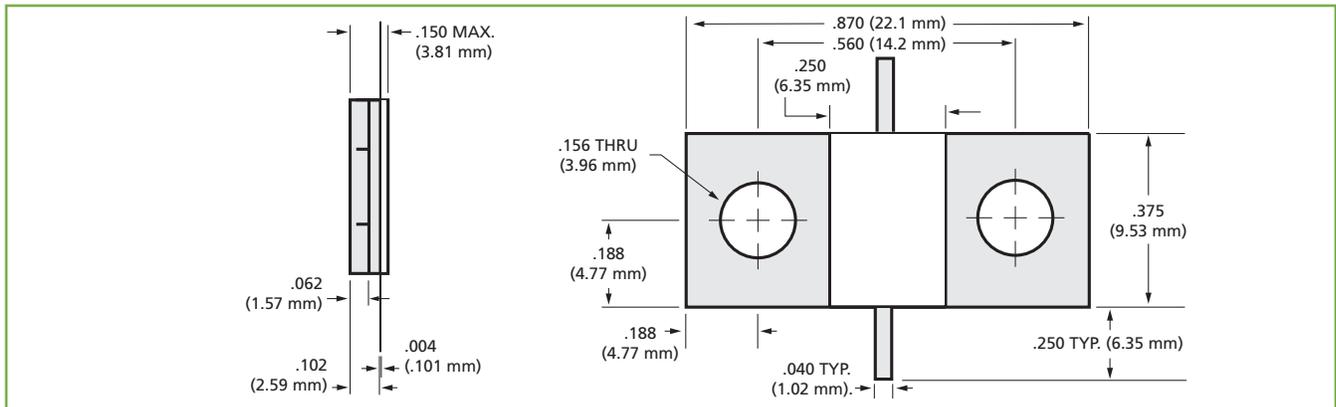


## High Power, Flange Mount Resistor

P/N: FR10870NxxxxJ

### General Specifications

- Resistance: 100 Ω standard (other Ω 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
- Lead-Free, RoHS Compliant
- Non-Magnetic available

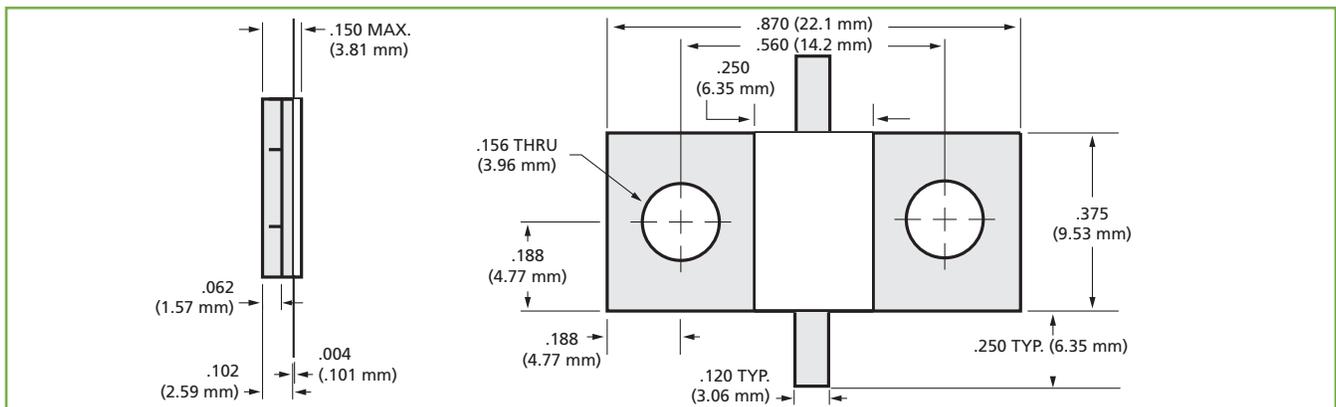


## High Power, Flange Mount Resistor

P/N: FR10870NxxxxJ01

### General Specifications

- Resistance: 100 Ω standard (other Ω 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
- Lead-Free, RoHS Compliant
- Non-Magnetic available



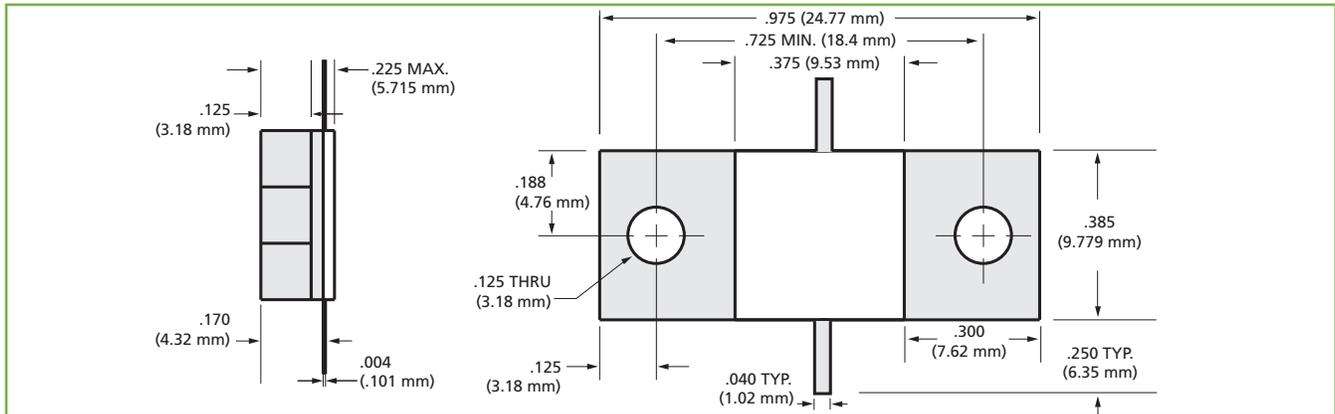
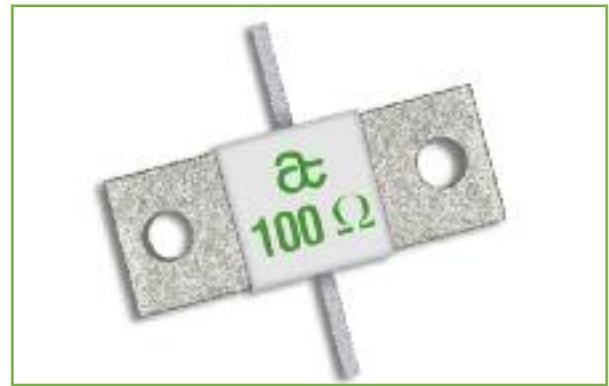
For Part Number Code, see page 1.

## High Power, Flange Mount Resistor

P/N: FR10975NxxxxJ

### Electrical Specifications

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

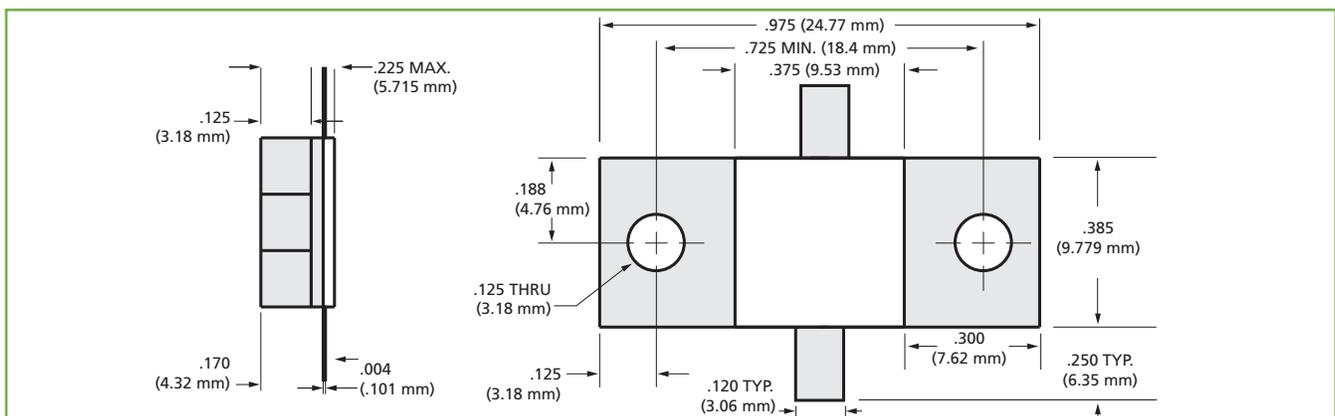


## High Power, Flange Mount Resistor

P/N: FR10975N0100J01

### Electrical Specifications

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



For Part Number Code, see page 1.

A M E R I C A N T E C H N I C A L C E R A M I C S

ATC North America  
sales@atceramics.com

ATC Europe  
sales@atceramics.com

ATC Asia  
sales@atceramics-asia.com

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