

## Terminations

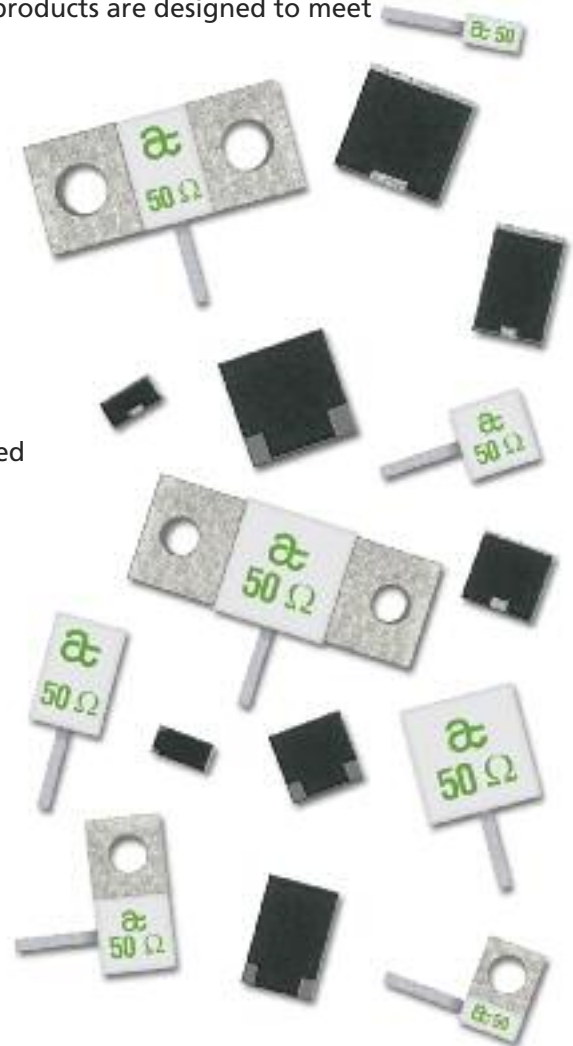
American Technical Ceramics introduces its complete line of High Power Termination Products. All Products are designed and manufactured at our ISO 9001 Facilities. All products are designed to meet MIL-PRF-55342 and ATC qualification procedure JP625-4102.

### Electrical Specifications

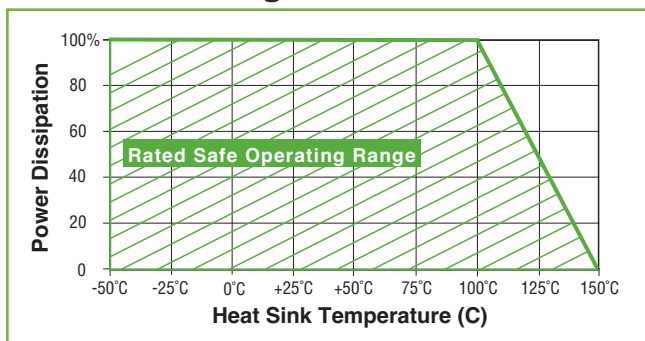
- **Resistance:** 50  $\Omega$  standard (10  $\Omega$  - 200  $\Omega$  available)
- **Resistance Tolerance:**  $\pm 5\%$  standard ( $\pm 2\%$  available)
- **Power:** 10 Watts through 250 Watts
- **Operating Temperature Range:**  $-55^{\circ}\text{C}$  -  $+150^{\circ}\text{C}$
- **Temperature Coefficient:**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

### Mechanical Specifications

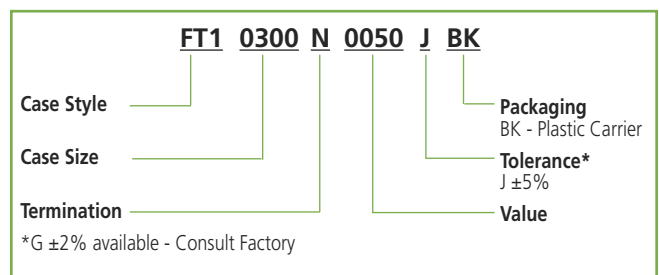
- **Package:** Surface Mount Chips, Chips, Leaded Chips, Flanged
- **Substrate Material:** Aluminum Nitride
- **Process:** Thin Film
- **Resistive Material:** Tantalum
- **Terminals:** Silver
- **Cover:** Alumina
- **Mounting Flange:** 100% Cu, Ni or Ag Plated
- **Mechanical Tolerance:**  $\pm .005$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



## Power Derating



## ATC Flange Mount Terminations Part Number Code



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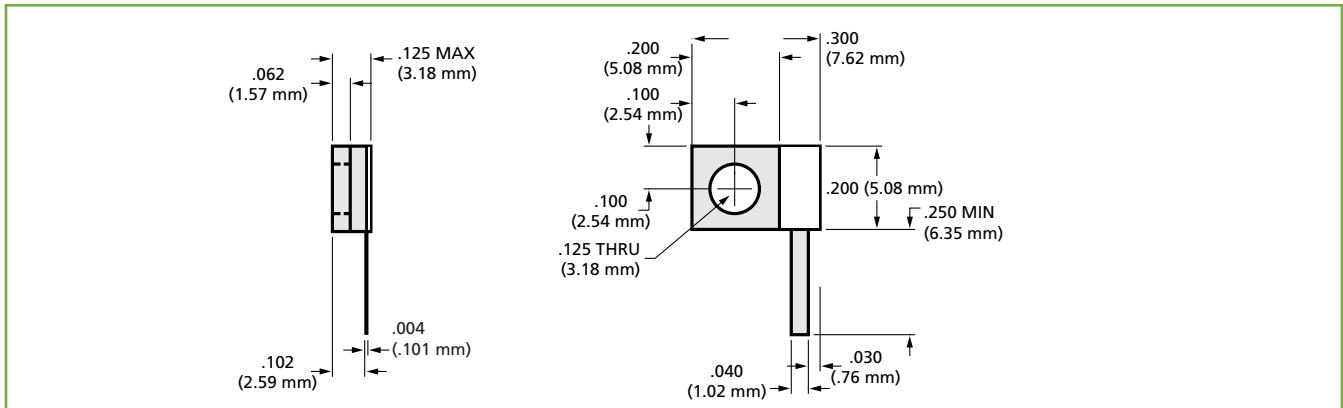
Excerpt from ATC # 001-944; Rev. U, 11/14

## High Power, Flange Mount Termination

**P/N: FT10300N0050J**

### Electrical Specifications

- Nominal Impedance: 50 Ω ±5% standard (other Ω values available)
- Power: 20 Watts
- Frequency: DC to 6 GHz
- VSWR: 1.15:1 @ 4 GHz, 1.25:1 @ 6 GHz,
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant

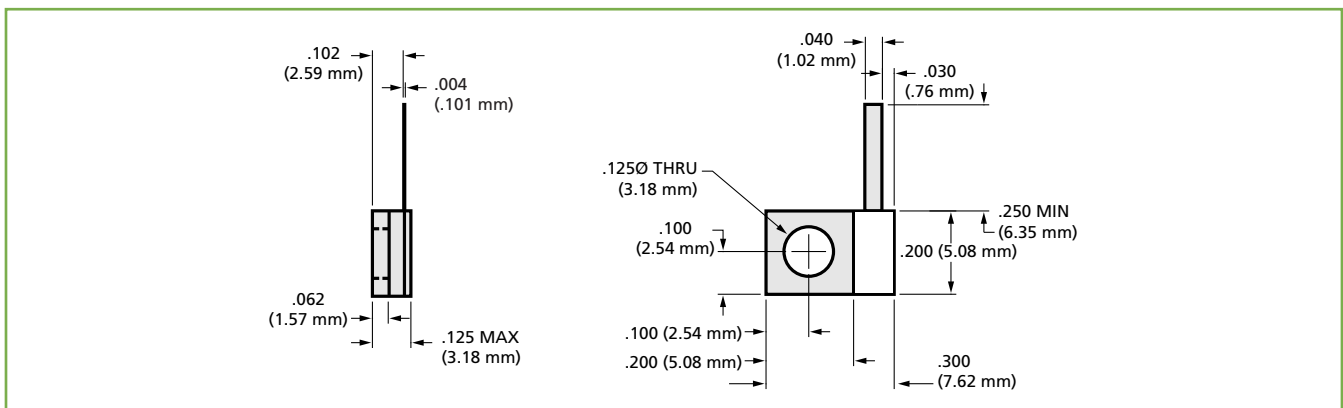


## High Power, Flange Mount Termination

**P/N: FT10301N0050J**

### Electrical Specifications

- Nominal Impedance: 50 Ω ±5% standard (other Ω values available)
- Power: 20 Watts
- Frequency: DC to 6 GHz
- VSWR: 1.15:1 @ 4 GHz, 1.25:1 @ 6 GHz,
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant



For Part Number Code, see page 1.

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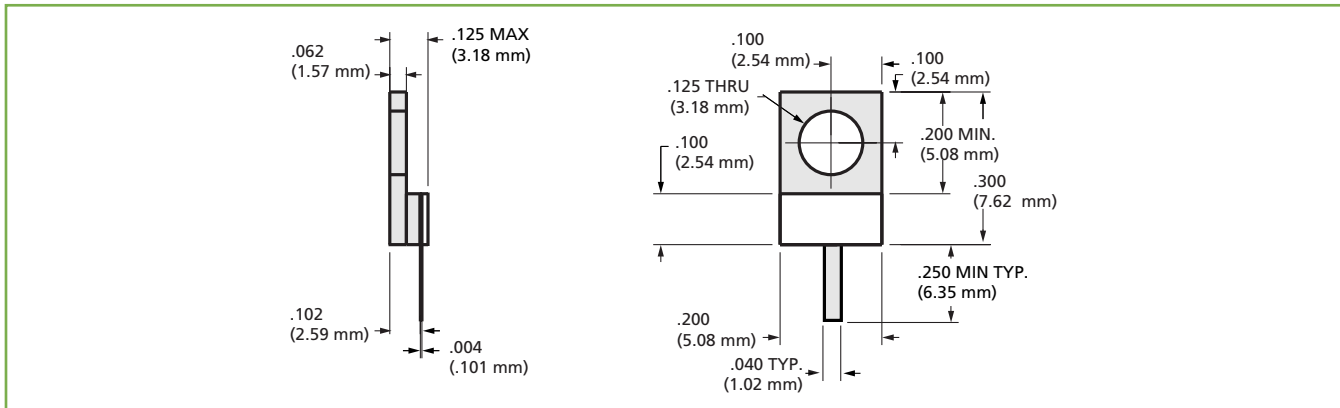
ATC Asia  
sales@atceramics-asia.com

## High Power, Flange Mount Termination

**P/N: FT10302N0050J**

### Electrical Specifications

- Nominal Impedance: 50 Ω ±5% standard (other Ω values available)
- Power: 20 Watts
- Frequency: DC to 18 GHz
- VSWR: 1.15:1 @ 15 GHz, 1.25:1 @ 18 GHz
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant

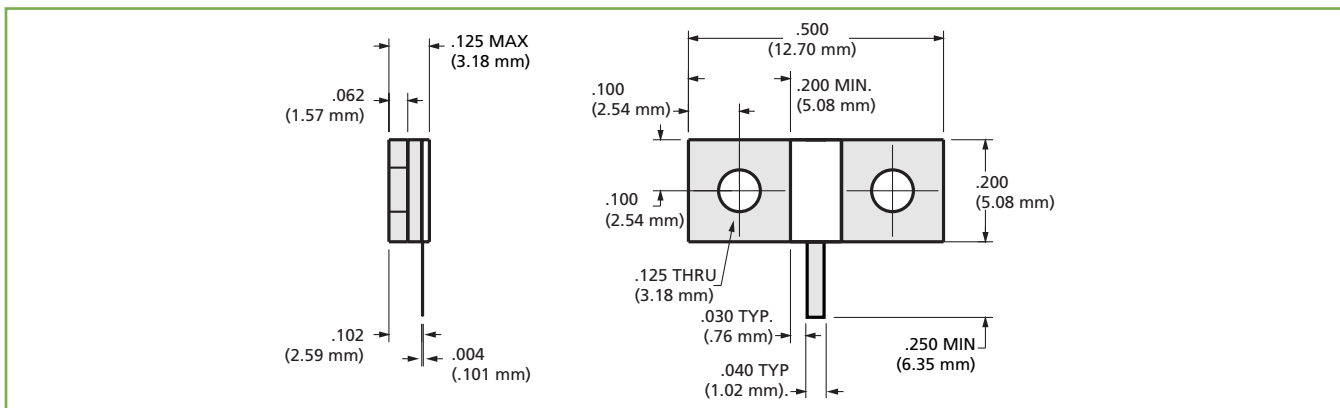


## High Power, Flange Mount Termination

**P/N: FT10500N0050J**

### Electrical Specifications

- Nominal Impedance: 50 Ω ±5% standard (other Ω values available)
- Power: 25 Watts
- Frequency: DC to 6.0 GHz
- VSWR: 1.15:1 @ 4 GHz, 1.25:1 @ 6 GHz
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant



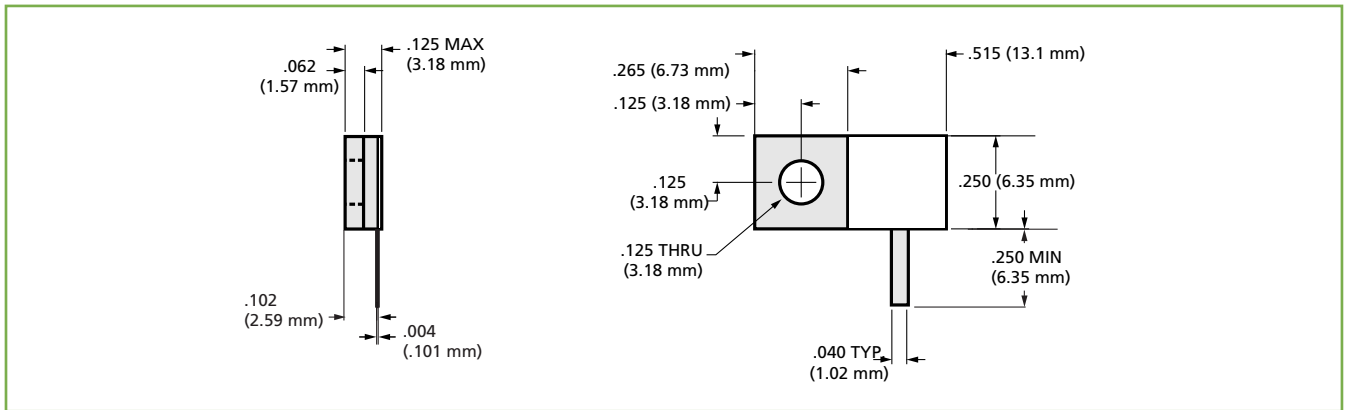
For Part Number Code, see page 1.

## High Power, Flange Mount Termination

**P/N: FT10515N0050J**

### Electrical Specifications

- **Nominal Impedance:** 50  $\Omega$   $\pm$ 5% standard (other  $\Omega$  values available)
- **Power:** 60 Watts
- **Frequency:** DC to 6.0 GHz
- **VSWR:** 1.20:1 @ 4 GHz, 1.30:1 @ 6 GHz
- **Operating Temperature Range:** -55°C to +150°C
- **Temperature Coefficient:** <150 ppm/°C
- **Tabs:** Silver
- **Lead-Free, RoHS Compliant**

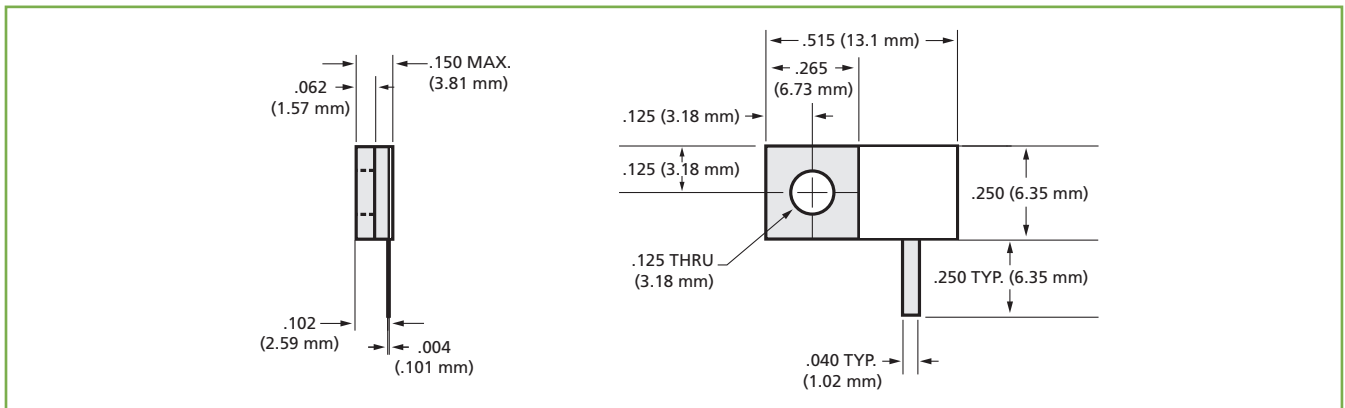


## High Power, Flange Mount Termination

**P/N: FT10515N0050J01**

### Electrical Specifications

- **Nominal Impedance:** 50  $\Omega$   $\pm$ 5% standard (other  $\Omega$  values available)
- **Power:** 100 Watts
- **Frequency:** DC to 2.5 GHz
- **VSWR:** 1.15:1
- **Operating Temperature Range:** -55°C to +150°C
- **Temperature Coefficient:** <150 ppm/°C
- **Tabs:** Silver
- **Lead-Free, RoHS Compliant**



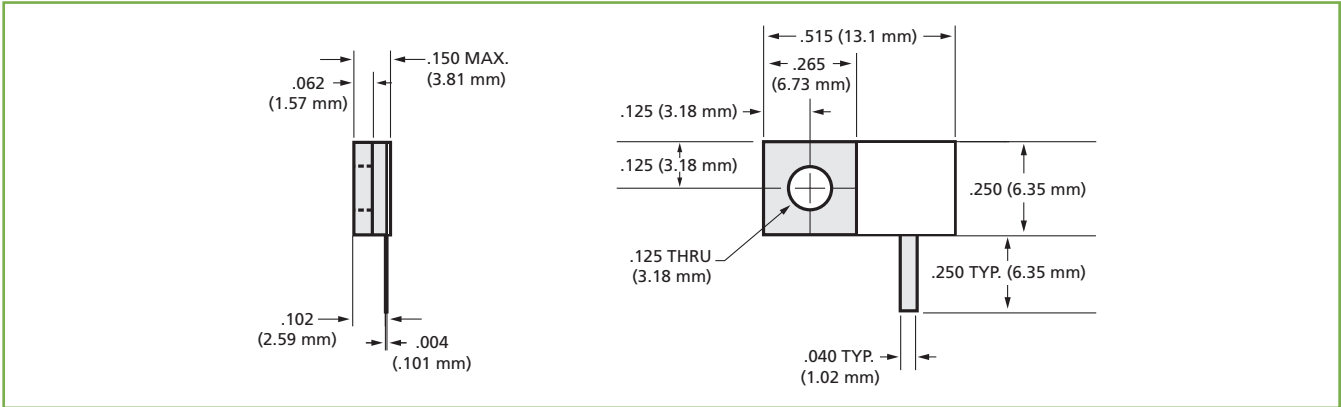
For Part Number Code, see page 1.

## High Power, Flange Mount Termination

P/N: FT10515N0050J02

### Electrical Specifications

- Nominal Impedance: 50  $\Omega$   $\pm$ 5% standard (other  $\Omega$  values available)
- Power: 100 Watts
- Frequency: DC to 4 GHz
- VSWR: 1.20:1
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant

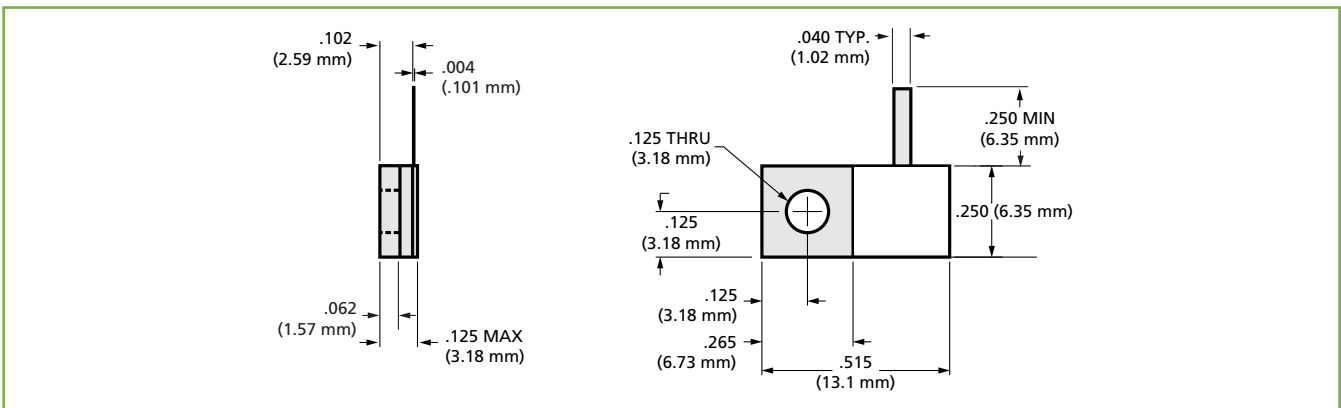


## High Power, Flange Mount Termination

P/N: FT10516N0050J

### Electrical Specifications

- Nominal Impedance: 50  $\Omega$   $\pm$ 5% standard (other  $\Omega$  values available)
- Power: 60 Watts
- Frequency: DC to 6 GHz
- VSWR: 1.20:1 @ 4 GHz, 1.30:1 @ 6 GHz
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant



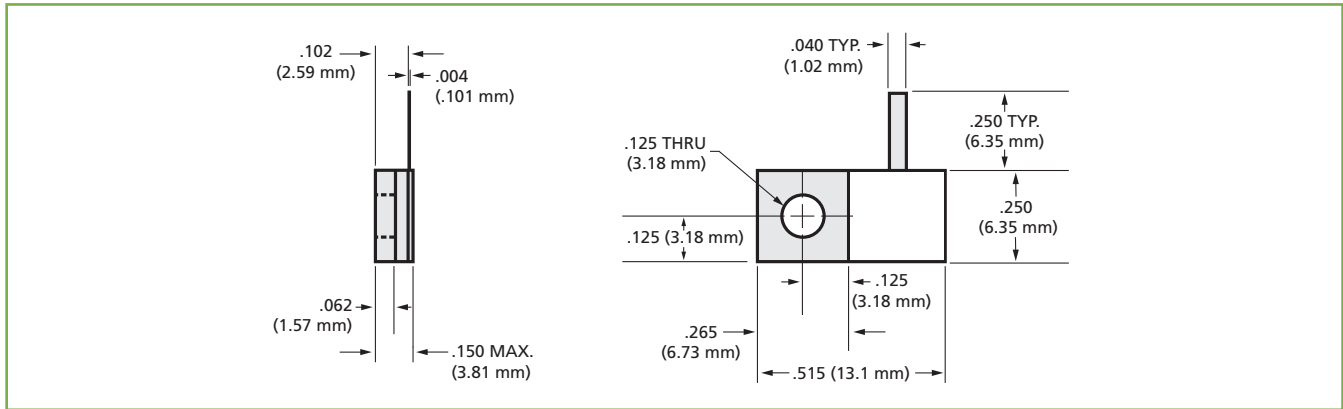
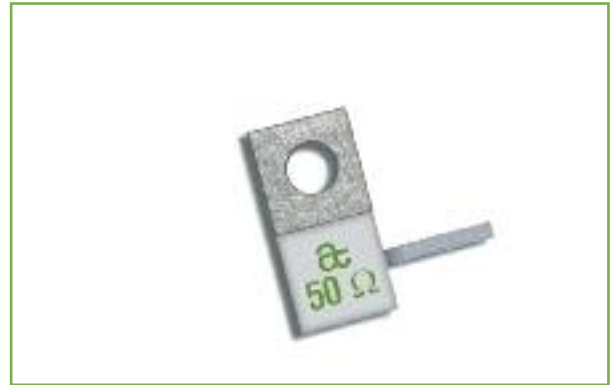
For Part Number Code, see page 1.

## High Power, Flange Mount Termination

P/N: FT10516N0050J01

### Electrical Specifications

- Nominal Impedance: 50 Ω ±5% standard (other Ω values available)
- Power: 100 Watts
- Frequency: DC to 2.5 GHz
- VSWR: 1.15:1
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant

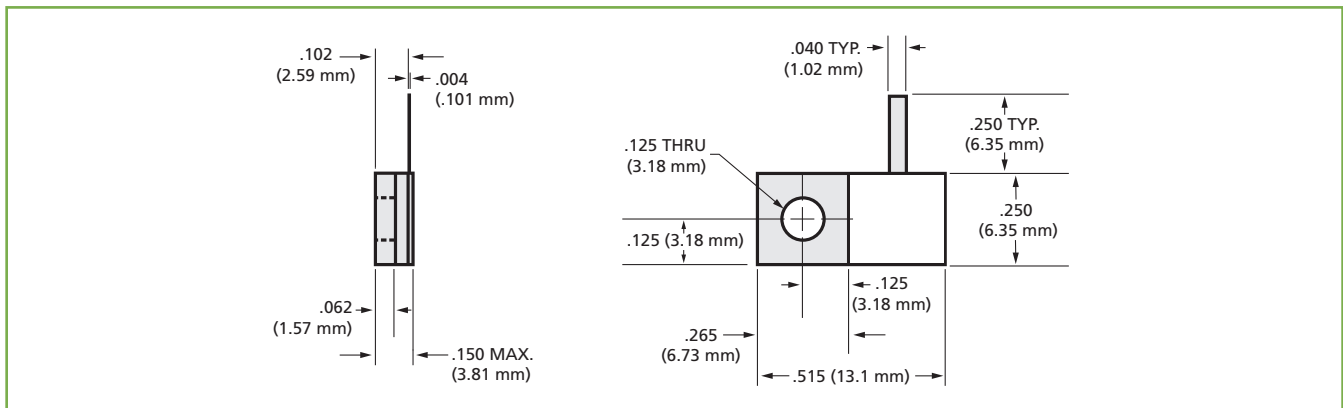


## High Power, Flange Mount Termination

P/N: FT10516N0050J02

### Electrical Specifications

- Nominal Impedance: 50 Ω ±5% standard (other Ω values available)
- Power: 100 Watts
- Frequency: DC to 4 GHz
- VSWR: 1.20:1
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant



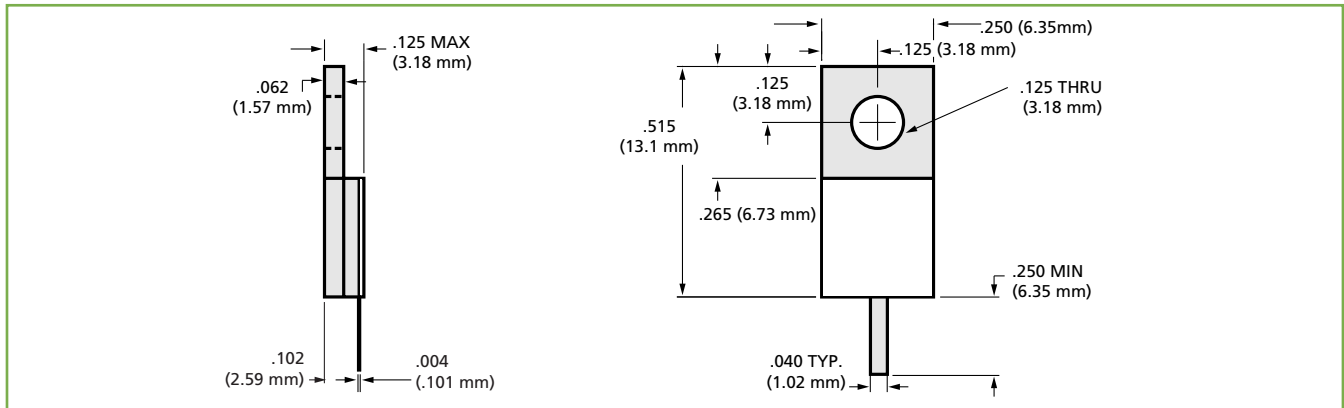
For Part Number Code, see page 1.

## High Power, Flange Mount Termination

**P/N: FT10517N0050J**

### Electrical Specifications

- Nominal Impedance: 50  $\Omega$   $\pm$ 5% standard (other  $\Omega$  values available)
- Power: 60 Watts
- Frequency: DC to 4 GHz
- VSWR: 1.20:1 @ 4 GHz, 1.30:1 @ 6 GHz
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant

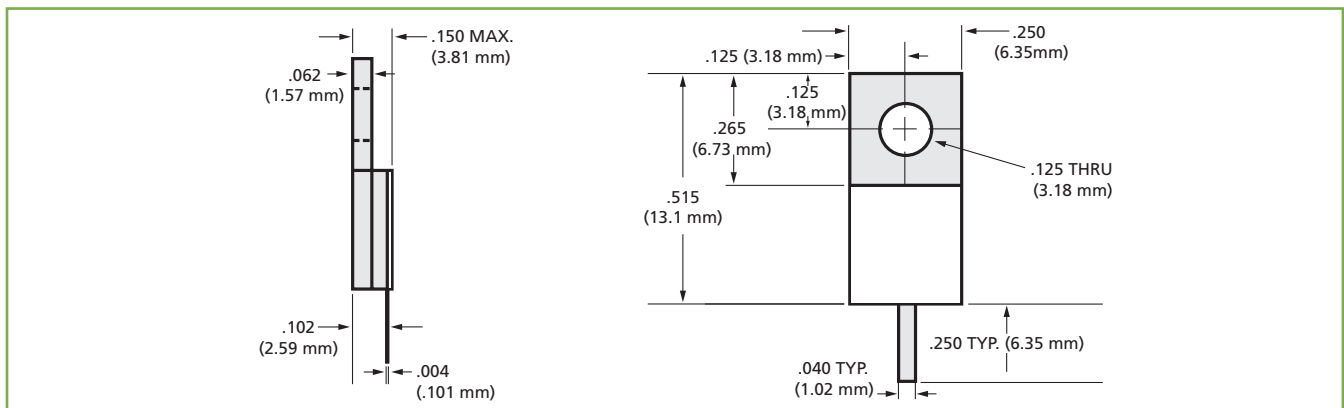


## High Power, Flange Mount Termination

**P/N: FT10517N0050J01**

### Electrical Specifications

- Nominal Impedance: 50  $\Omega$   $\pm$ 5% standard (other  $\Omega$  values available)
- Power: 100 Watts
- Frequency: DC to 2.5 GHz
- VSWR: 1.15:1
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant



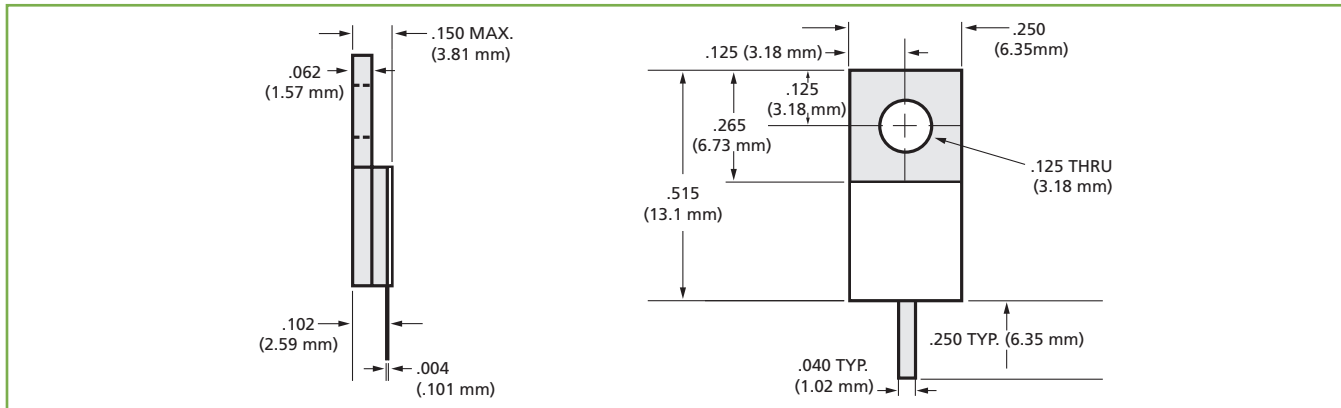
For Part Number Code, see page 1.

## High Power, Flange Mount Termination

**P/N: FT10517N0050J02**

### Electrical Specifications

- Nominal Impedance: 50  $\Omega$   $\pm$ 5% standard (other  $\Omega$  values available)
- Power: 100 Watts
- Frequency: DC to 4 GHz
- VSWR: 1.20:1
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant

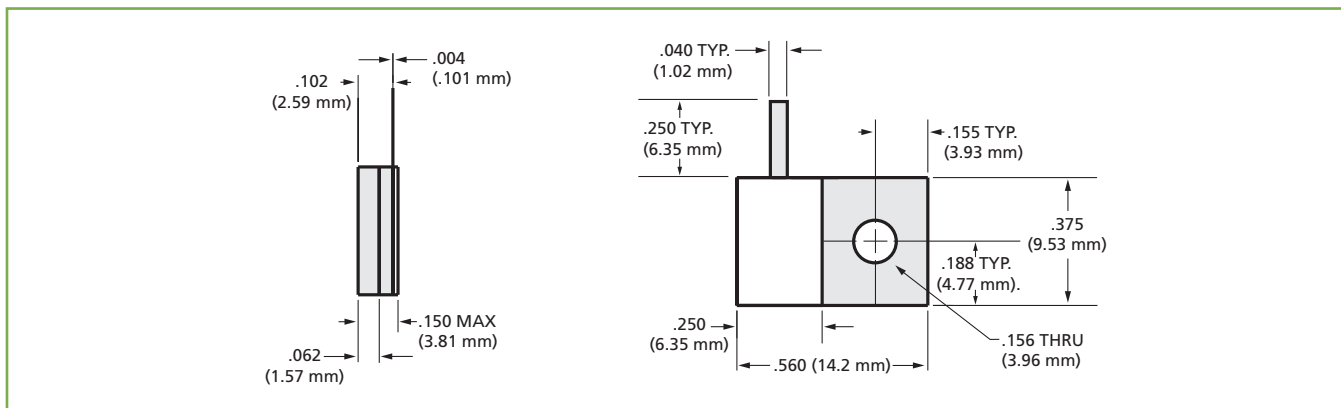


## High Power, Flange Mount Termination

**P/N: FT10560N0050J**

### Electrical Specifications

- Nominal Impedance: 50  $\Omega$   $\pm$ 5% standard (other  $\Omega$  values available)
- Power: 75 Watts
- Frequency: DC to 4 GHz
- VSWR: 1.25:1
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant



For Part Number Code, see page 1.

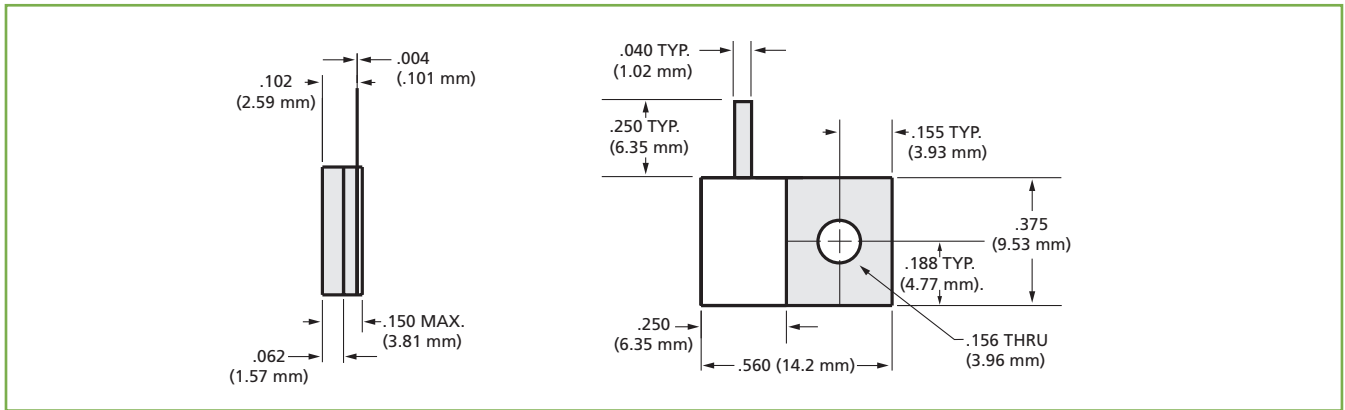


## High Power, Flange Mount Termination

**P/N: FT10560N0050J01**

### Electrical Specifications

- Nominal Impedance: 50  $\Omega$   $\pm$ 5% standard (other  $\Omega$  values available)
- Power: 100 Watts
- Frequency: DC to 1.1 GHz
- VSWR: 1.15:1
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant

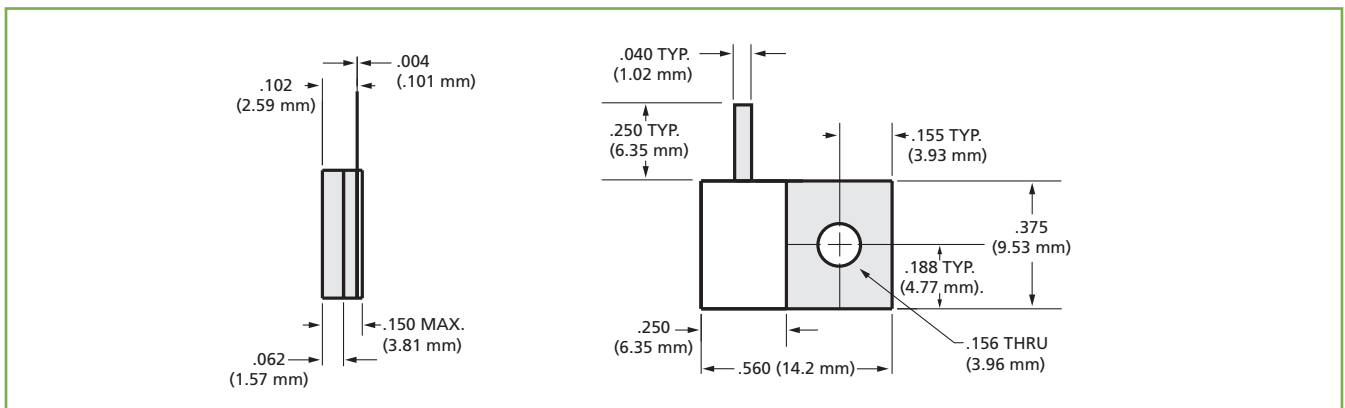


## High Power, Flange Mount Termination

**P/N: FT10560N0050J02**

### Electrical Specifications

- Nominal Impedance: 50  $\Omega$   $\pm$ 5% standard (other  $\Omega$  values available)
- Power: 100 Watts
- Frequency: DC to 2 GHz
- VSWR: 1.20:1
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant



For Part Number Code, see page 1.

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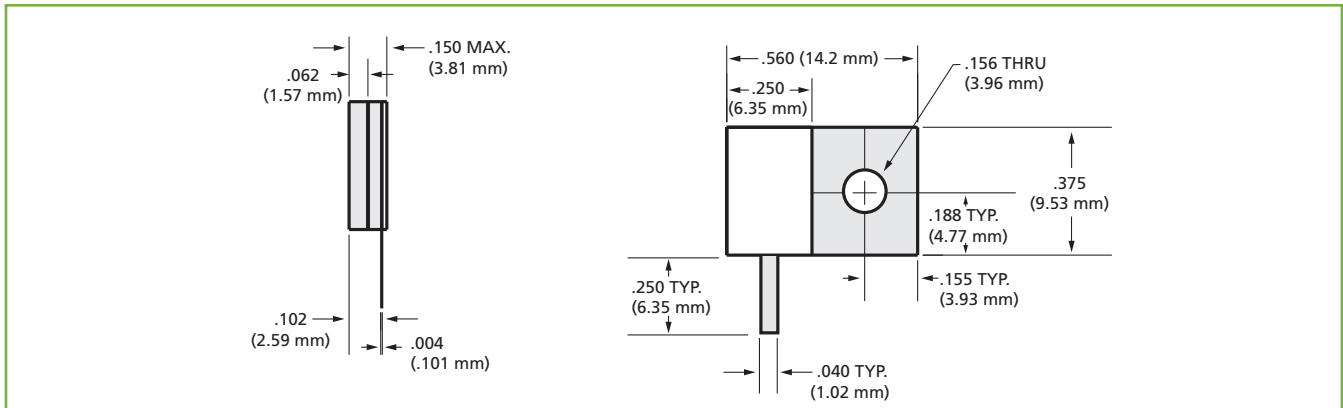
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## High Power, Flange Mount Termination

**P/N: FT10561N0050J**

### Electrical Specifications

- Nominal Impedance: 50  $\Omega$   $\pm$ 5% standard (other  $\Omega$  values available)
- Power: 75 Watts
- Frequency: DC to 4.0 GHz
- VSWR: 1.25:1
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant

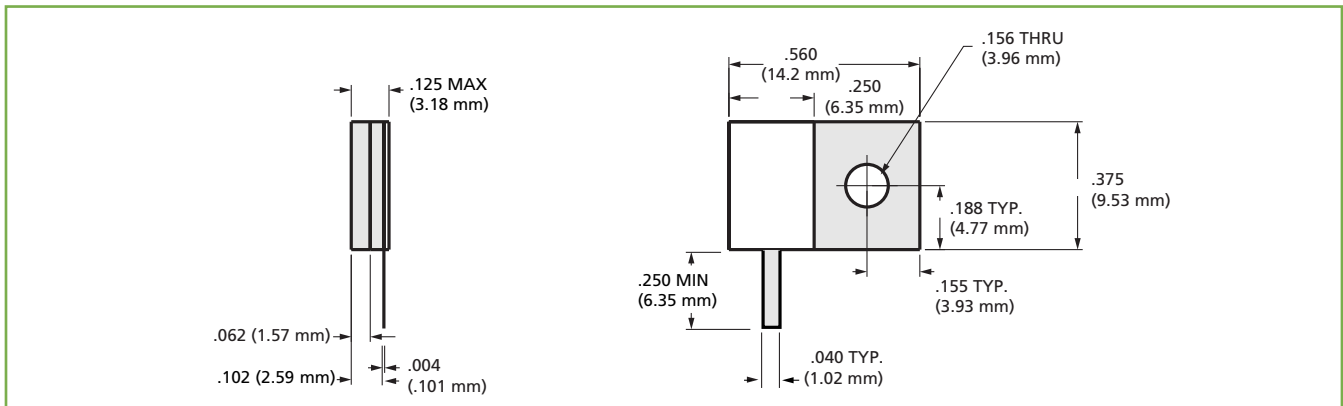


## High Power, Flange Mount Termination

**P/N: FT10561N0050J01**

### Electrical Specifications

- Nominal Impedance: 50  $\Omega$   $\pm$ 5% standard (other  $\Omega$  values available)
- Power: 100 Watts
- Frequency: DC to 1.1 GHz
- VSWR: 1.15:1
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant



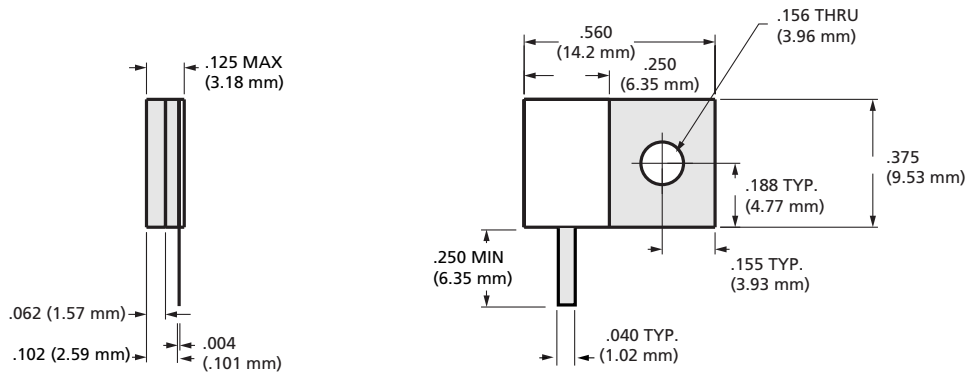
For Part Number Code, see page 1.

## High Power, Flange Mount Termination

P/N: FT10561N0050J02

### Electrical Specifications

- Nominal Impedance: 50  $\Omega$   $\pm$ 5% standard (other  $\Omega$  values available)
- Power: 100 Watts
- Frequency: DC to 2 GHz
- VSWR: 1.20:1
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant



## High Power, Flange Mount Termination

P/N: FT10800N0050J

### Electrical Specifications

- Nominal Impedance: 50  $\Omega$   $\pm$ 5% standard (other  $\Omega$  values available)
- Power: 50 Watts
- Frequency: DC to 6 GHz
- VSWR: 1.10:1 @ 4.5 GHz, 1.18:1 @ 6.0GHz
- Operating Temperature Range: -55°C to +150°C
- Tabs: Silver
- Lead-Free, RoHS Compliant



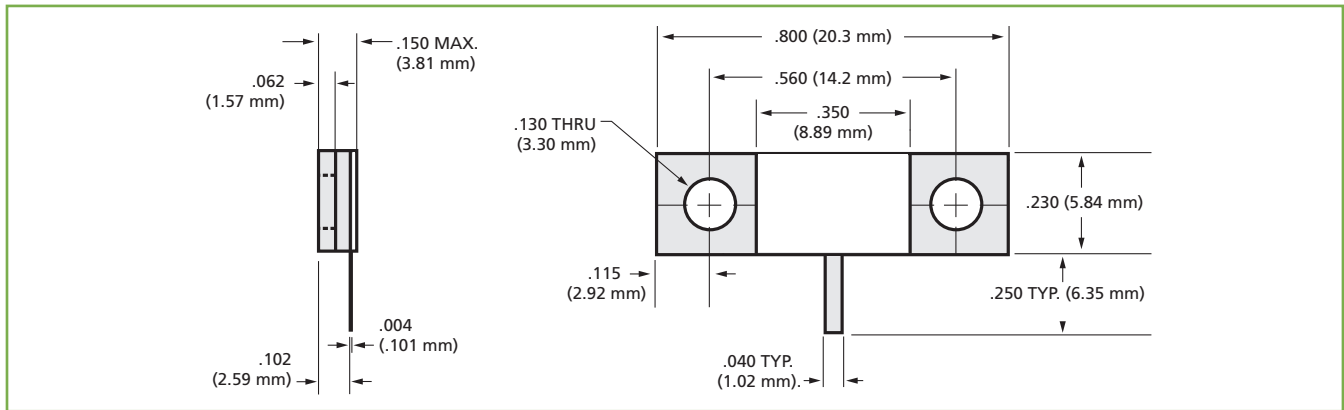
For Part Number Code, see page 1.

## High Power, Flange Mount Termination

P/N: FT10800N0050J02

### Electrical Specifications

- Nominal Impedance: 50  $\Omega$   $\pm$ 5% standard (other  $\Omega$  values available)
- Power: 100 Watts
- Frequency: DC to 6 GHz
- VSWR: 1.10:1 @ 4.5 GHz, 1.20:1 @ 6.0GHz
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant

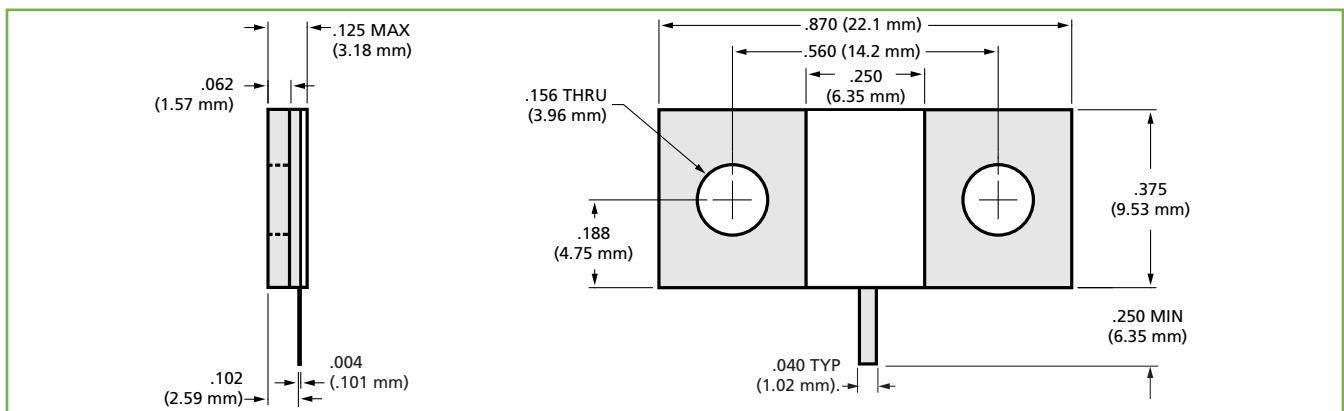


## High Power, Flange Mount Termination

P/N: FT10870N0050J

### Electrical Specifications

- Nominal Impedance: 50  $\Omega$   $\pm$ 5% standard (other  $\Omega$  values available)
- Power: 100 Watts
- Frequency: DC to 4.0 GHz
- VSWR: 1.20:1
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant



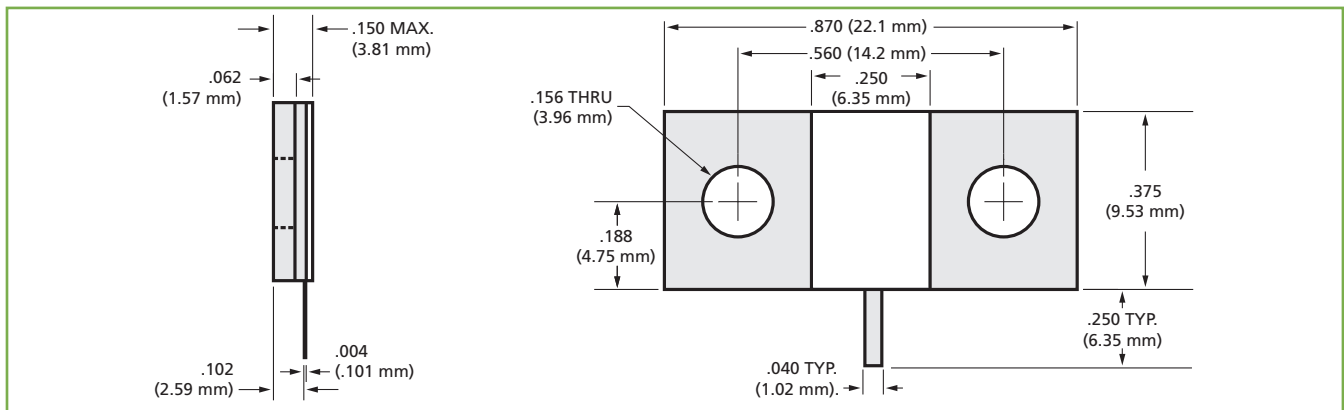
For Part Number Code, see page 1.

## High Power, Flange Mount Termination

**P/N: FT10870N0050J01**

### Electrical Specifications

- Nominal Impedance: 50  $\Omega$   $\pm$ 5% standard (other  $\Omega$  values available)
- Power: 150 Watts
- Frequency: DC to 1.1 GHz
- VSWR: 1.15:1
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant

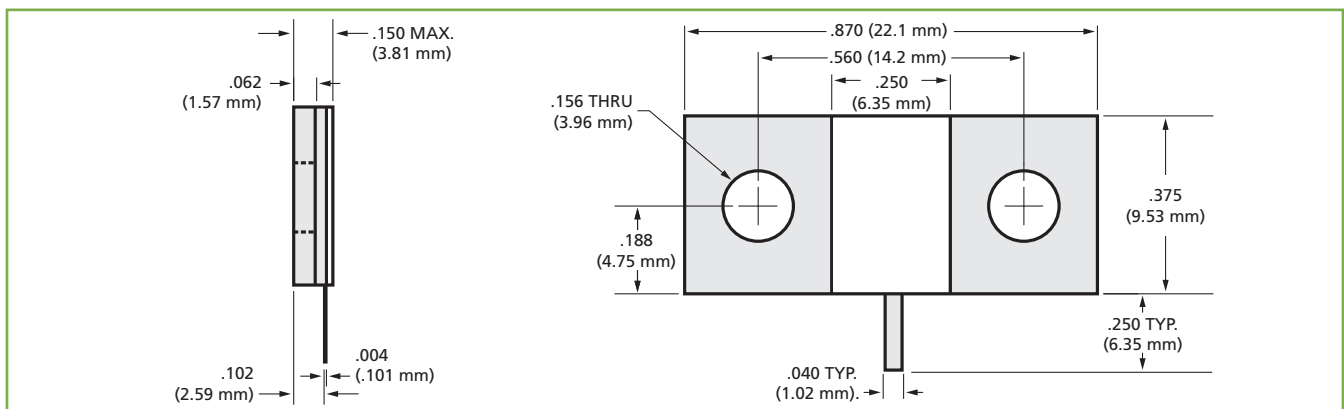


## High Power, Flange Mount Termination

**P/N: FT10870N0050J02**

### Electrical Specifications

- Nominal Impedance: 50  $\Omega$   $\pm$ 5% standard (other  $\Omega$  values available)
- Power: 150 Watts
- Frequency: DC to 4 GHz
- VSWR: 1.20:1
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant



For Part Number Code, see page 1.

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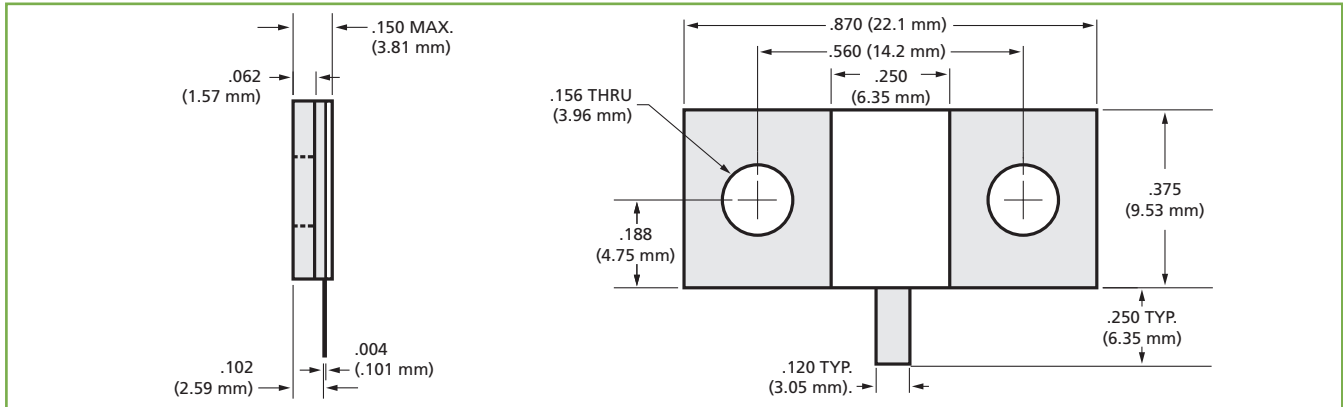
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## High Power, Flange Mount Termination

P/N: FT10870N0050J03

### Electrical Specifications

- Nominal Impedance: 50  $\Omega$   $\pm$ 5% standard (other  $\Omega$  values available)
- Power: 150 Watts
- Frequency: DC to 4 GHz
- VSWR: 1.25:1
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant

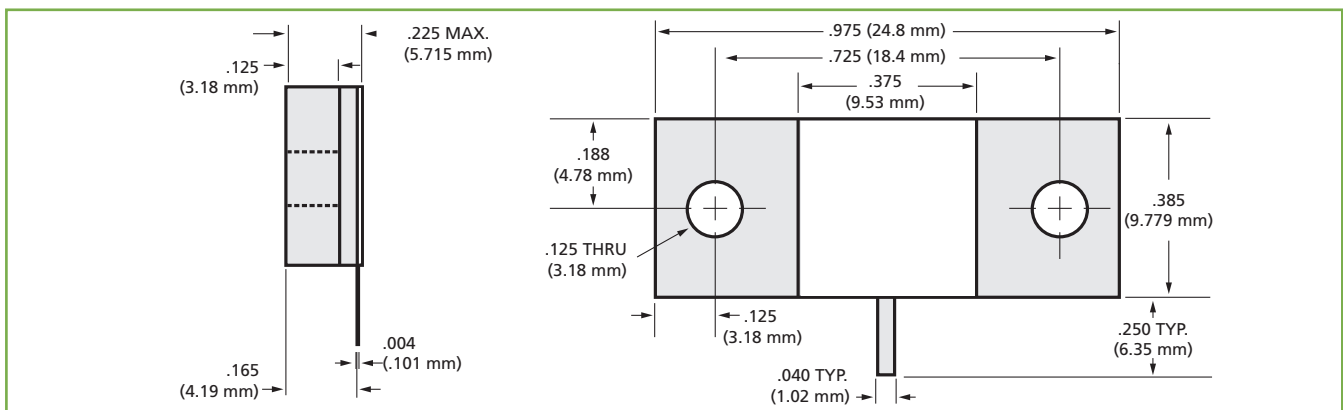


## High Power, Flange Mount Termination

P/N: FT10975N0050JBK

### Electrical Specifications

- Nominal Impedance: 50  $\Omega$   $\pm$ 5% standard (other  $\Omega$  values available)
- Power: 200 Watts
- Frequency: DC to 2.2 GHz
- VSWR: 1.20:1 @ 2 GHz, 1.30:1 @ 2.2 GHz
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant



For Part Number Code, see page 1.

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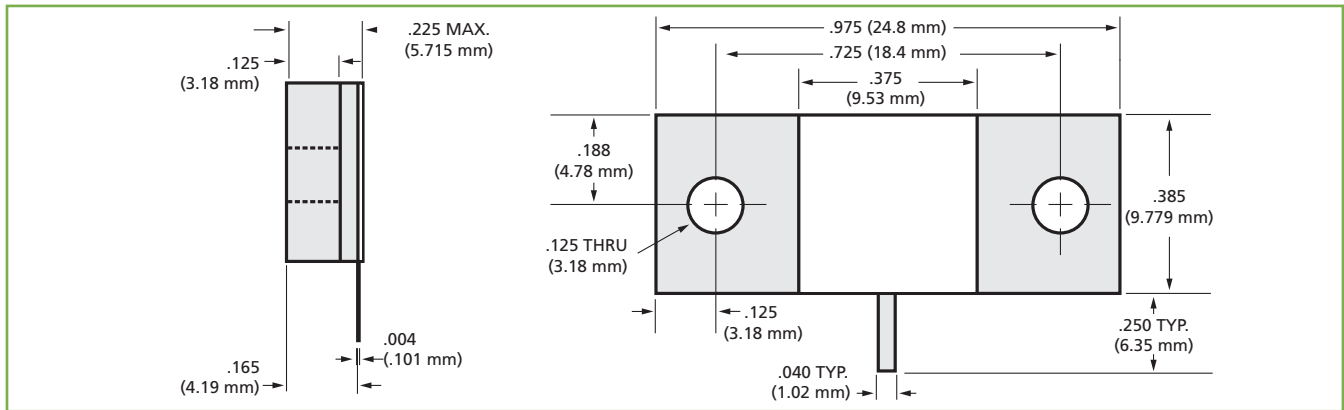
ATC Asia  
sales@atceramics-asia.com

## High Power, Flange Mount Termination

**P/N: FT10975N0050J01**

### Electrical Specifications

- Nominal Impedance: 50 Ω ±5% standard (other Ω values available)
- Power: 250 Watts
- Frequency: DC to 1.0 GHz
- VSWR: 1.20:1
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: <150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant

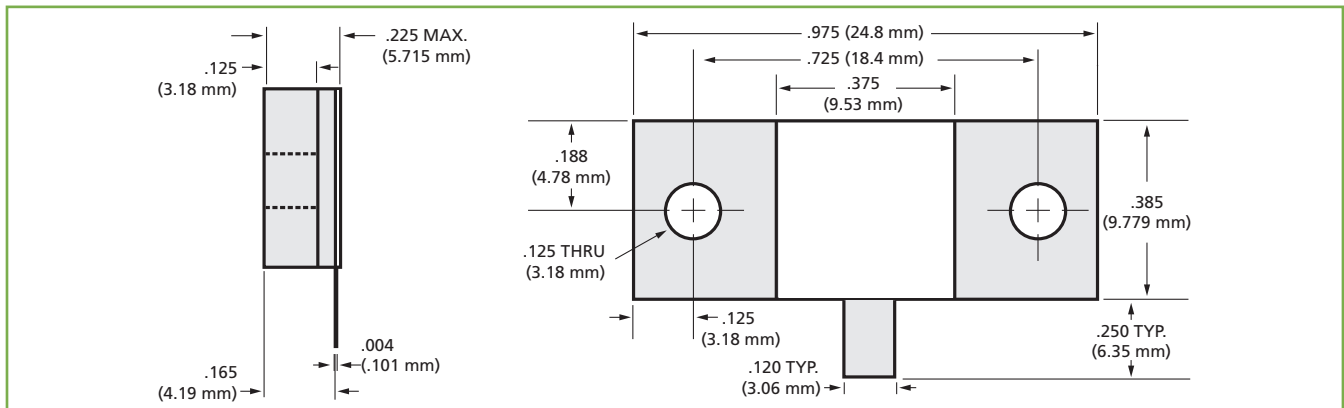


## High Power, Flange Mount Termination

**P/N: FT10975N0050J03**

### Electrical Specifications

- Nominal Impedance: 50 Ω ±5% standard (other Ω values available)
- Power: 250 Watts
- Frequency: DC to 2.0 GHz
- VSWR: 1.20:1
- Operating Temperature Range: -55°C to +150°C
- Temperature Coefficient: ±150 ppm/°C
- Tabs: Silver
- Lead-Free, RoHS Compliant



For Part Number Code, see page 1.

# Mouser Electronics

Authorized Distributor

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[FT10301N0050J](#)



Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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