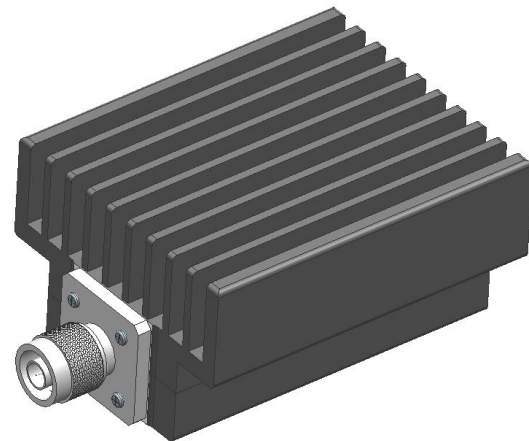


## Fixed Attenuator

- ◆ DC to 3.5 GHz
- ◆ 20 dB
- ◆ 100 Watt
- ◆ N Type

### Features

- High Power
- High attenuation accuracy
- Small VSWR
- Low PIM



### Specifications

|                       |                                                                |
|-----------------------|----------------------------------------------------------------|
| Frequency Range       | DC to 3.5 GHz                                                  |
| Attenuation           | 20 dB                                                          |
| Attenuation Accuracy  | $\pm 0.75$ dB over DC - 3 GHz<br>$\pm 1.0$ dB over 3 – 3.5 GHz |
| Nominal Impedance     | 50 Ohm                                                         |
| Average Power         | 100 Watt                                                       |
| Operating Temperature | -55 °C to +125°C                                               |
| Storage Temperature   | -55 °C to +125°C                                               |

### Model No. Description

**FATXXXXXXXX**

**XXX**- power handling:100W.

**X**- connector type: SMA, N type or  
SMB connector.

**XX**- attenuation: \*\*dB.

**XX**- 04 represents type number

**AVERAGE POWER:** 100W average to 25°C ambient temperature,  
derated linearly to 10W @ 125°C.

**PEAK POWER:** 5KW (5μs pulse width with 1.0% duty cycle)

**CONNECTOR TYPE:** N, N male to N female bidirectional type

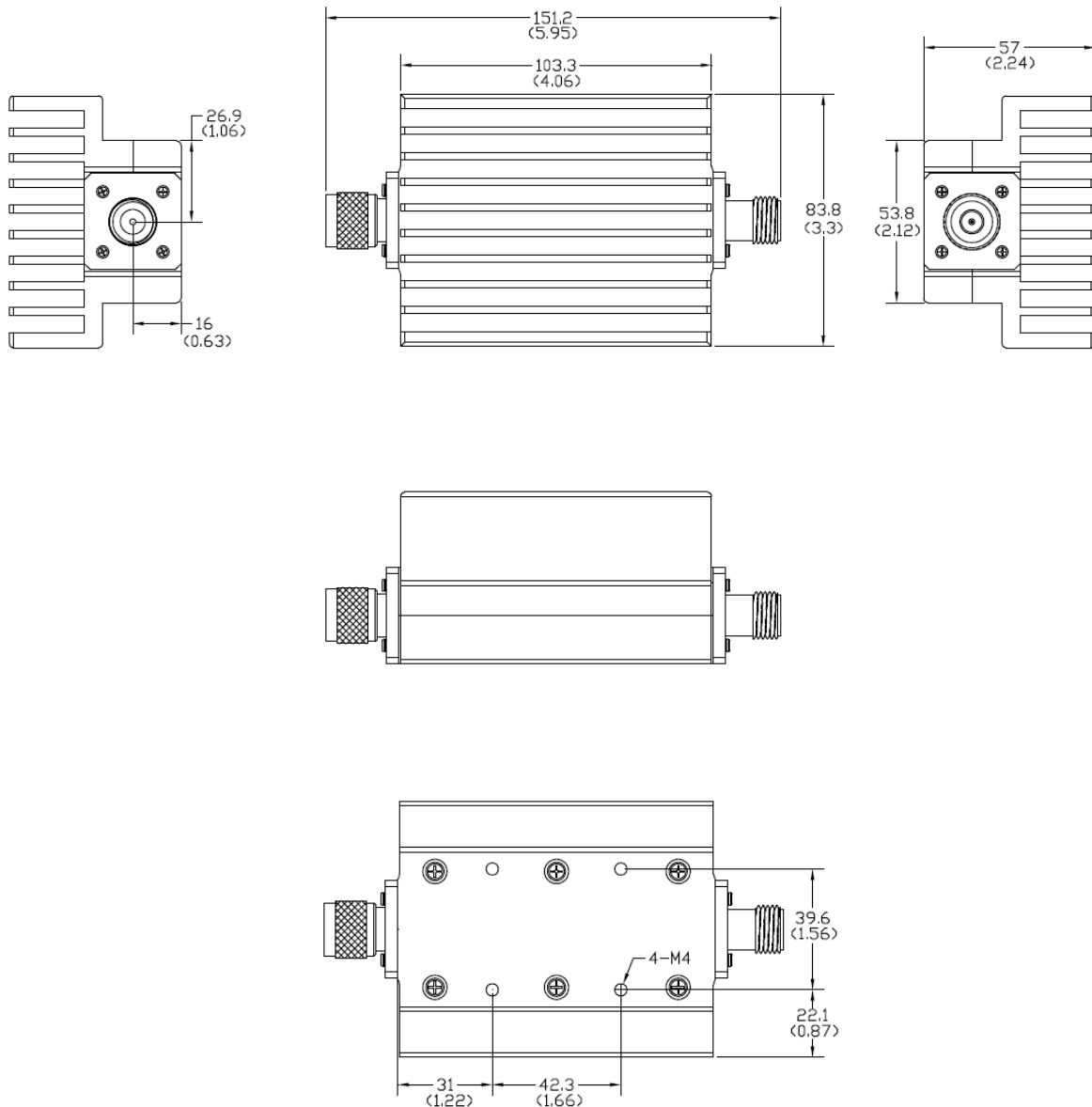
**WEIGHT:** about 0.8Kg

| FREQ. RANGE (GHz) | Typical<br>VSWR(:1) | Maximum<br>VSWR(:1) |
|-------------------|---------------------|---------------------|
| DC to 1           | 1.15                |                     |
| 1 to 2            | 1.25                |                     |
| 2 to 3.5          | 1.30                |                     |
| DC to 3.5         |                     | 1.35                |

### Material & Plating

| Parts                      | Material   | Plating(Micro-inch) |
|----------------------------|------------|---------------------|
| Body & Nut                 | Aluminum   | Black Anodize       |
| Contact<br>(female & male) | QSn6.5-0.1 | Gold 30             |
| Insulator                  | Teflon     |                     |

## Package Outlines



### Notes:

1. all dimensions shown in mm & inch
2. Dimensions Tolerance  $\pm 2\%$
3. Dimensions and specifications refer to connector type N unless otherwise specified.
4. Custom designs available for other special attenuation value & accuracy