

### Fixed Attenuator

- ◆ DC to 18 GHz
- ◆ 10 dB
- ◆ 2 Watt
- ◆ SMA Stainless Steel Connectors

### Features

- High attenuation accuracy
- Small VSWR
- Stainless Steel
- Ceramic chip
- Low cost-high performance

### Model No. Description

FATXXXXXX

X- power handling: 2W or 5W.

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

XX- attenuation: \*\*dB.

XX- 18 represents type number



### Specifications

|                             |                          |
|-----------------------------|--------------------------|
| Frequency Range             | DC to 18 GHz             |
| Attenuation                 | 10 dB                    |
| Attenuation Accuracy (Max.) | ±1.0 dB over DC - 18 GHz |
| Nominal Impedance           | 50 Ohm                   |
| Average Power               | 2 Watt                   |
| Operating Temperature       | -55 °C to +125°C         |
| Storage Temperature         | -55 °C to +125°C         |

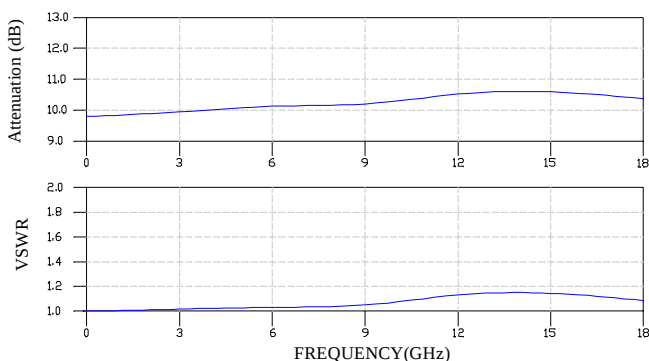
| FREQ. RANGE (GHz) | Typical<br>VSWR(:1) | Maximum<br>VSWR(:1) |
|-------------------|---------------------|---------------------|
| DC to 6           | 1.20                |                     |
| 6 to 12           | 1.25                |                     |
| 12 to 18          | 1.35                |                     |
| DC to 18          |                     | 1.40                |

### Material & Plating

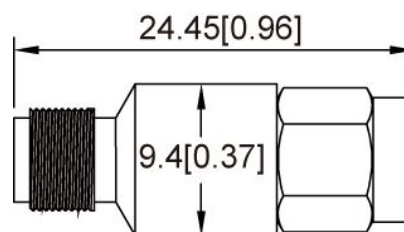
| Parts                      | Material         | Plating(Micro-inch) |
|----------------------------|------------------|---------------------|
| Body & Nut                 | Stainless Steel  | Passivated          |
| Contact<br>(female & male) | Beryllium Copper | Gold 30             |
| Insulator                  | Teflon           |                     |

### Characteristic

For example the testing curves of FAT1810S2



### Package Outlines



Package type: SMA

Note: all dimensions shown in mm & inch

**Note:**

Average power at 25°C ambient, derate linearly  
to 0.5W at 125°C

