

High Precision Fixed Attenuator 70-110GHz, 20dB, 1.0mm Connector



Product Overview

AT-FAT-XX-110TL are high precision fixed attenuators from 3 to 10dB, 20dB and 35dB. These attenuators are with good flatness and excellent return loss.

The RFin and RFou are 1.0mm Female, and other connector is available according to request. Input and Output port can be changed according to test need.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 70-110GHz
- ✓ Attenuation: 3-10, 20, 35dB
- ✓ Excellent Return Loss
- ✓ Power Handling: +20dBm

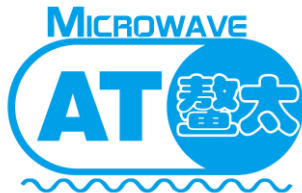
Application

- ✓ 5G Communication
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System
- ✓ Optical Application

Key Features

| Parameter | Min | Typical | Max |
|----------------------|-----|-----------|--------|
| Frequency | | 70-110GHz | |
| Attenuation | | 20dB | |
| Attenuation Flatness | | +/-1.5dB | |
| Return Loss | -8 | -10dB | |
| Power Handling | | | +20dBm |
| Temp Spec | | 25C | |





AT-FAT-20-110TL

Fixed Attenuator, 1.0mm Connector

Ordering

| Part Number | Description |
|---------------------------|------------------------|
| AT-FAT-XX-110TL (Default) | RF1/RF2 Female |
| AT-FAT-XX-110TL-MF | RF1: Male, RF2: Female |
| AT-FAT-XX-110TL-MM | RF1/RF2 Male |

Mechanical Information

| Item | Description |
|---------------|--------------|
| RF1 Port | 1.0mm Female |
| RF2 Port | 1.0mm Female |
| Case Material | Copper |
| Finish | Gold Plated |
| Weight | 16g |
| Size: | See outline |

Absolute Maximum Ratings Table

| Parameter | Value |
|-----------------------|--------------|
| RF Power | +20 dBm |
| Operating Temperature | -40 to +70C |
| Storage Temperature | -65 to +150C |

Notes:

1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
2. This data is only for reference, not for guaranteed specifications.
3. Please contact AT Microwave team to make sure you have the most current data.

