

### DC-50GHz High Precision Fixed Attenuator

3, 6, 10, 20, 30dB



#### Product Overview

AT-FAT-XX-50GHz series high precision attenuators, including 3, 6, 10, 20, 30dB attenuation value. Other attenuation is available according to request.

These attenuators are with high precision and good return loss. The power handling is 1W CW. AT Microwave provides fixed attenuators with SMA, 2.92mm, 2.4mm and 1.85mm connectors.

More information, please visit [www.atmicrowave.com](http://www.atmicrowave.com)

#### Advantages

- ✓ Frequency: DC-50GHz
- ✓ Attenuation Value: 3/6/10/20/30dB
- ✓ Power Handling: 1W
- ✓ High Precision

#### Application

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

### Key Features

Parameter	Min	Typical	Max
Frequency		DC-50GHz	
Attenuation Value		3/6/10/20/30dB	
Attenuation Precision		+/-1.5dB	
Return Loss	-10dB	-20dB	
Power Handling			1W CW





# AT-FAT-XX-50

DC-50GHz Fixed Attenuator

## Ordering

Part Number	Description
AT-FAT-03-50	Attenuation value 3dB, DC-50GHz
AT-FAT-06-50	Attenuation value 6dB, DC-50GHz
AT-FAT-10-50	Attenuation value 10dB, DC-50GHz
AT-FAT-20-50	Attenuation value 20dB, DC-50GHz
AT-FAT-30-50	Attenuation value 30dB, DC-50GHz

## Mechanical Information

Item	Description
RF1 Port	2.4mm Female
RF2 Port	2.4mm Male
Body Material	SU304 Polished & Passivated
Center Contact	Beryllium Copper Gold Plated
Insulators	PEI
Weight (Without Heatsink)	20g
Size:	See Outline

## Absolute Maximum Ratings Table

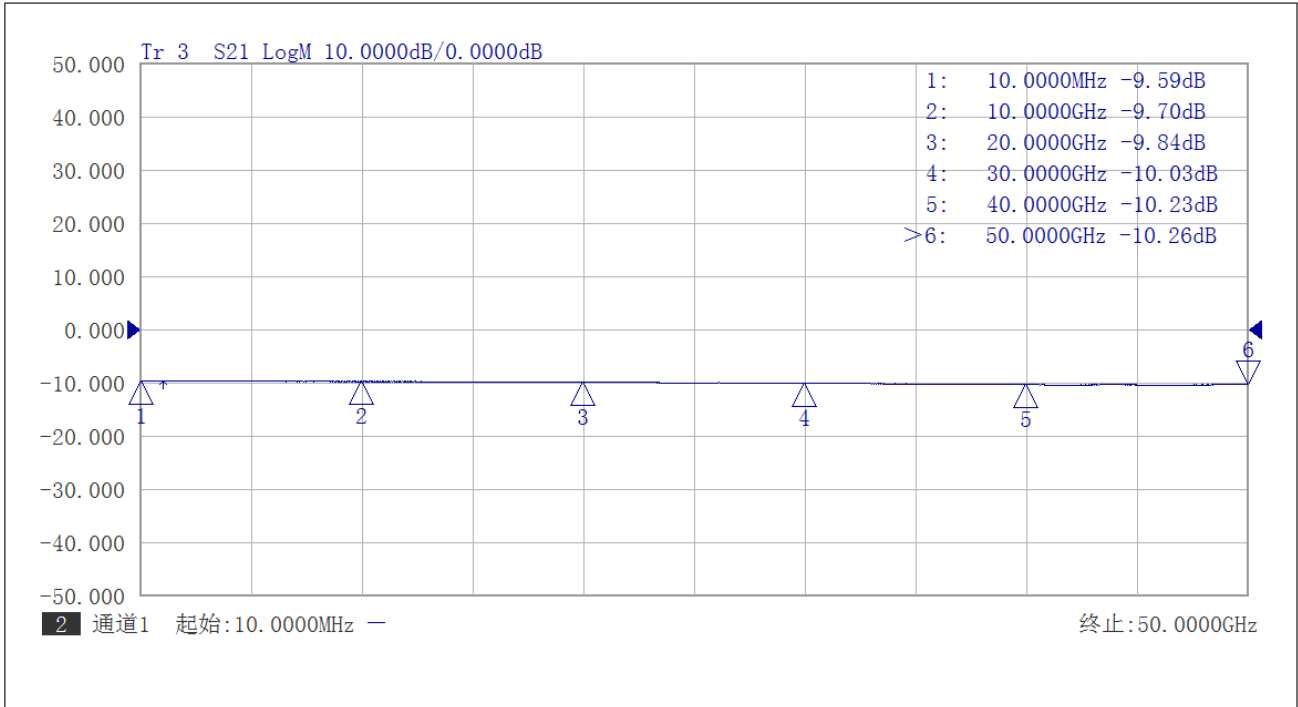
Parameter	Value
RF RF1 Power	+30 dBm
Operating Temperature	-50 to +70C
Storage Temperature	-65 to +150C

## Notes:

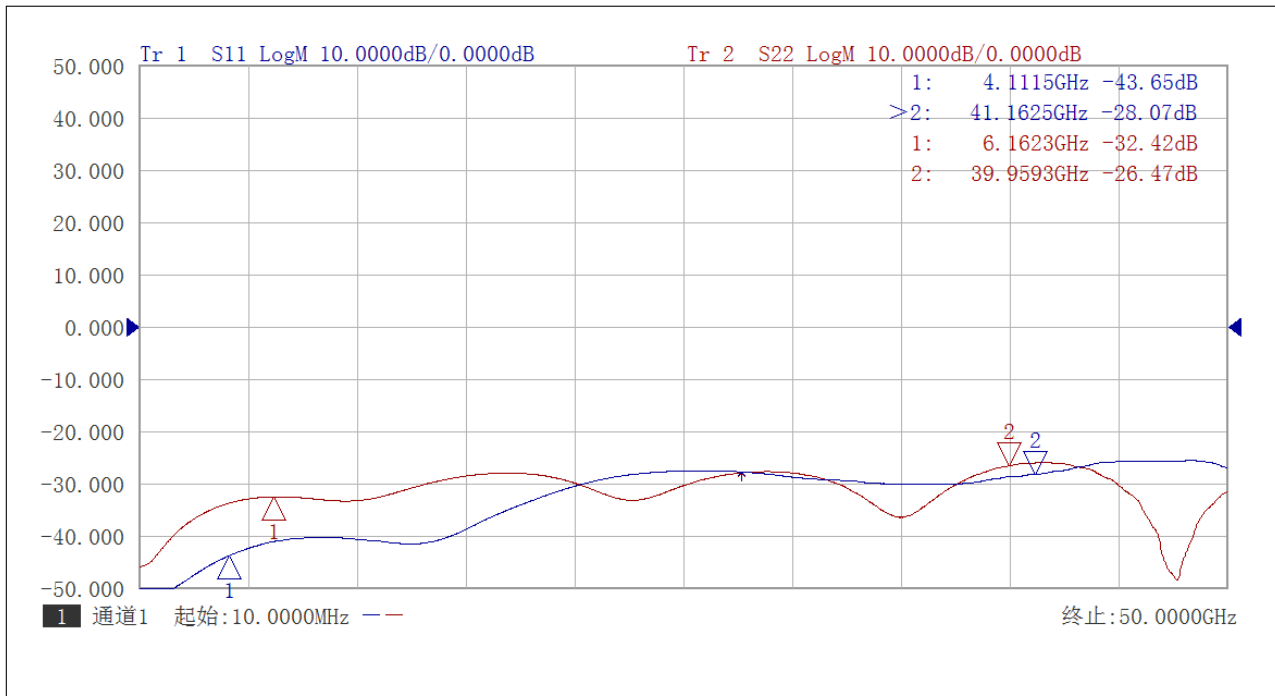
1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
2. This data is only for reference, not for guaranteed specifications.
3. Please contact AT Microwave team to make sure you have the most current data.



### 10DB TEST DATA



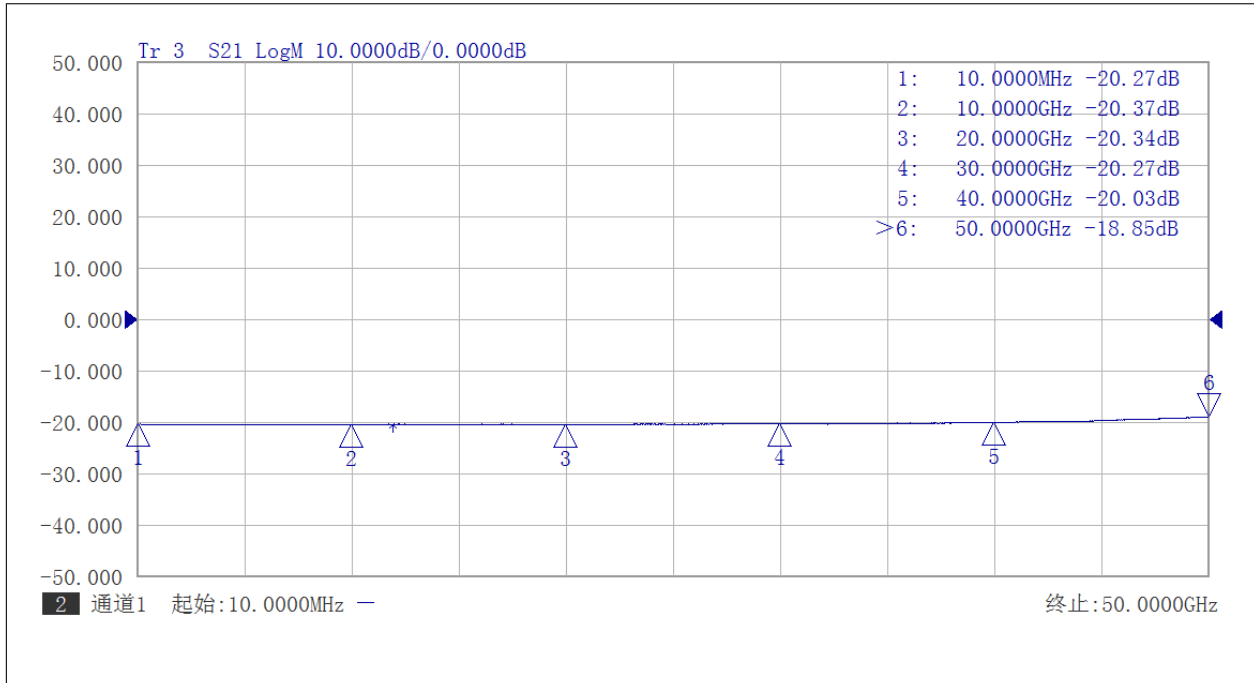
10dB Attenuation Test



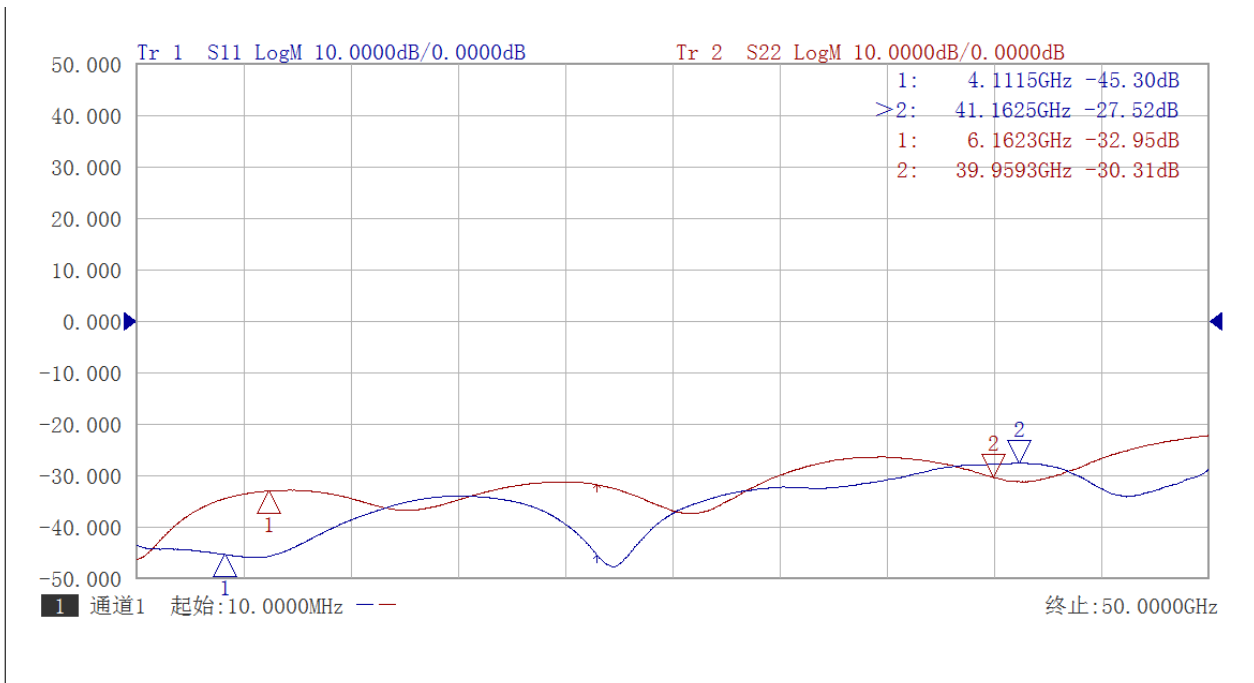
10dB Return Loss Test



### 20DB TEST DATA



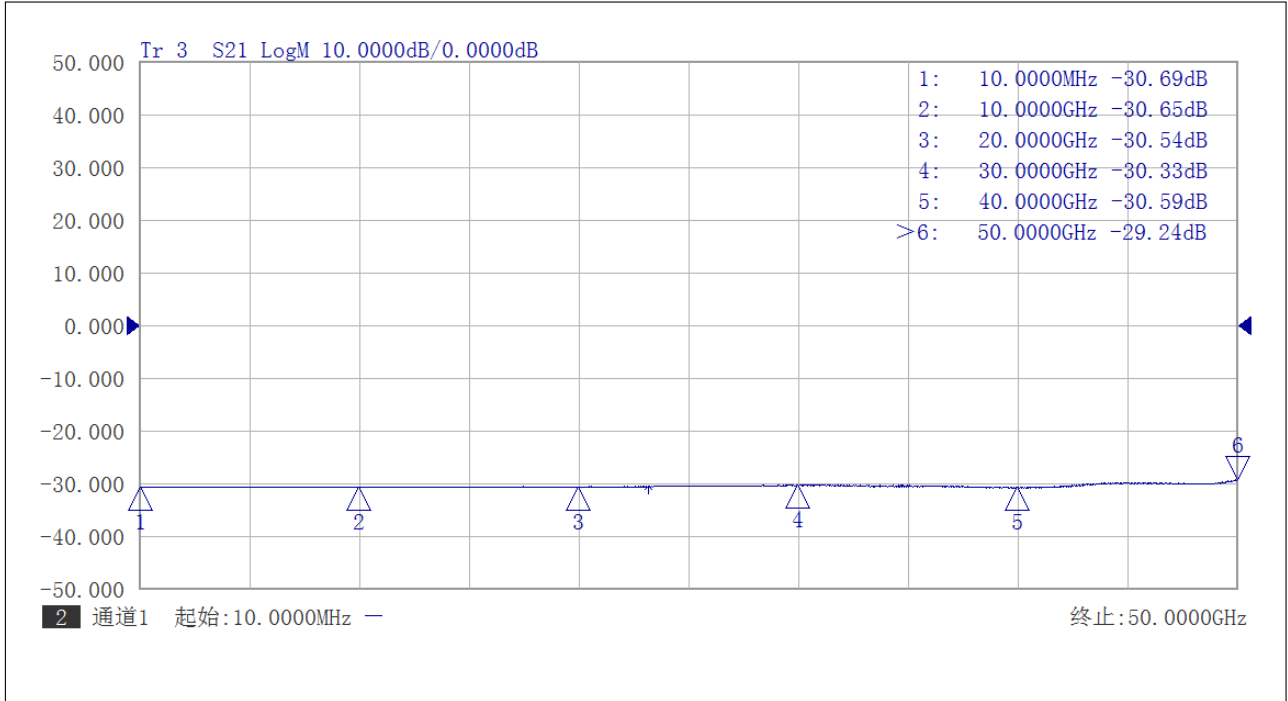
20dB Attenuation Test



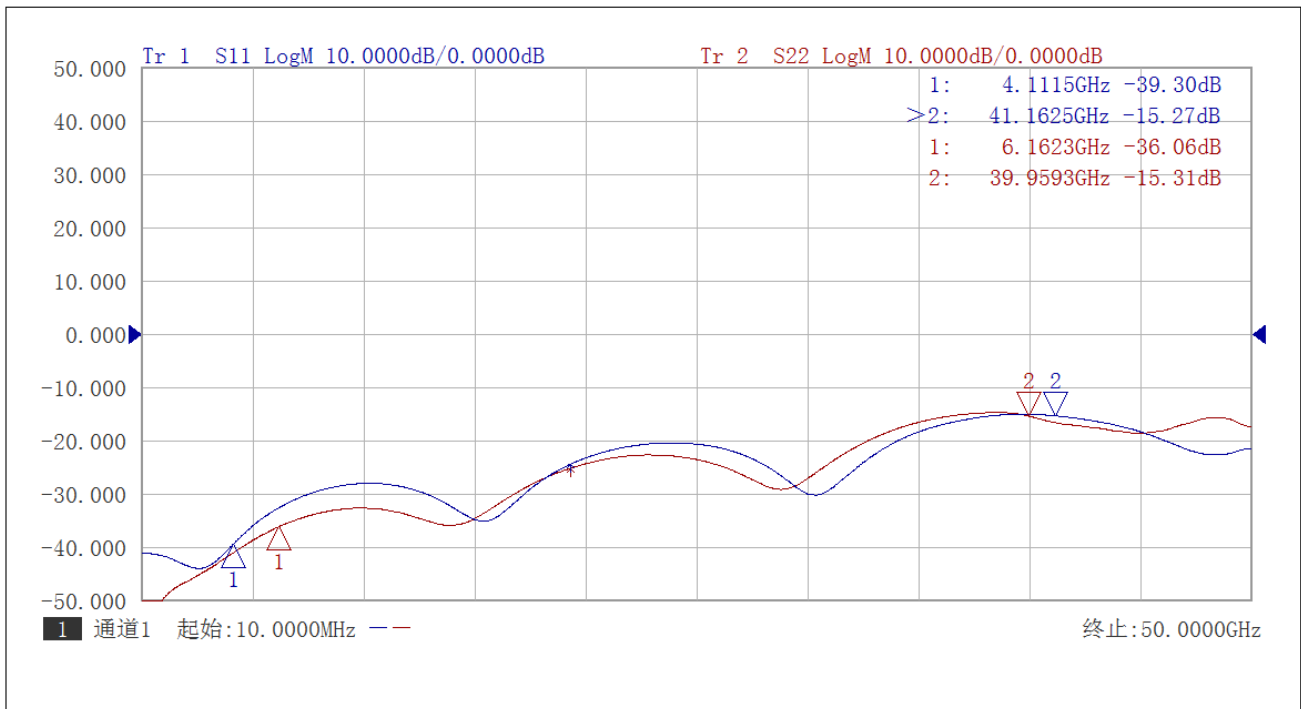
20dB Return Loss Test



### 30DB TEST DATA



30dB Attenuation Test



30dB Return Loss Test



## Dimension (mm)

