AT-FAT-XX-67

DC-67GHz Fixed Attenuator

DC-67GHz High Precision Fixed Attenuator

3, 6, 10, 20, 30dB

Product Overview

AT-FAT-XX-67GHz 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

Advantages

- ✓ Frequency: DC-67GHz
- ✓ 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-67GHz	
Attenuation Value		3/6/10/20/30Db	
Attenuation Precision	1-9dB: +/-1dB , DC-40GHz; +/-1.5dB 40-67GHz 10dB: +/-1.25dB , DC-40GHz; +/-1.75dB 40-67GHz 20dB: +/-1.25dB , DC-40GHz; +/-2dB 40-67GHz 30dB: +/-1.5dB , DC-40GHz; +/-2.5dB 40-67GHz		
Return Loss	-10dB	-15dB	
Power Handling			1W CW

Shanghai AT Microwave Limited

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Ordering

Part Number	Description
AT-FAT-03-67	Attenuation value 3dB, DC-67GHz
AT-FAT-06-67	Attenuation value 6dB, DC-67GHz
AT-FAT-10-67	Attenuation value 10dB, DC-67GHz
AT-FAT-20-67	Attenuation value 20dB, DC-67GHz
AT-FAT-30-67	Attenuation value 30dB, DC-67GHz

Mechanical Information

Item	Description
RF1 Port	1.85mm Female
RF2 Port	1.85mm Male
Body Material	SU304 Polished & Passivated
Center Contact	Beryllium Copper Gold Plated
Insulators	PEI
Weight (Without Heatsink)	20g
Size:	See Outline

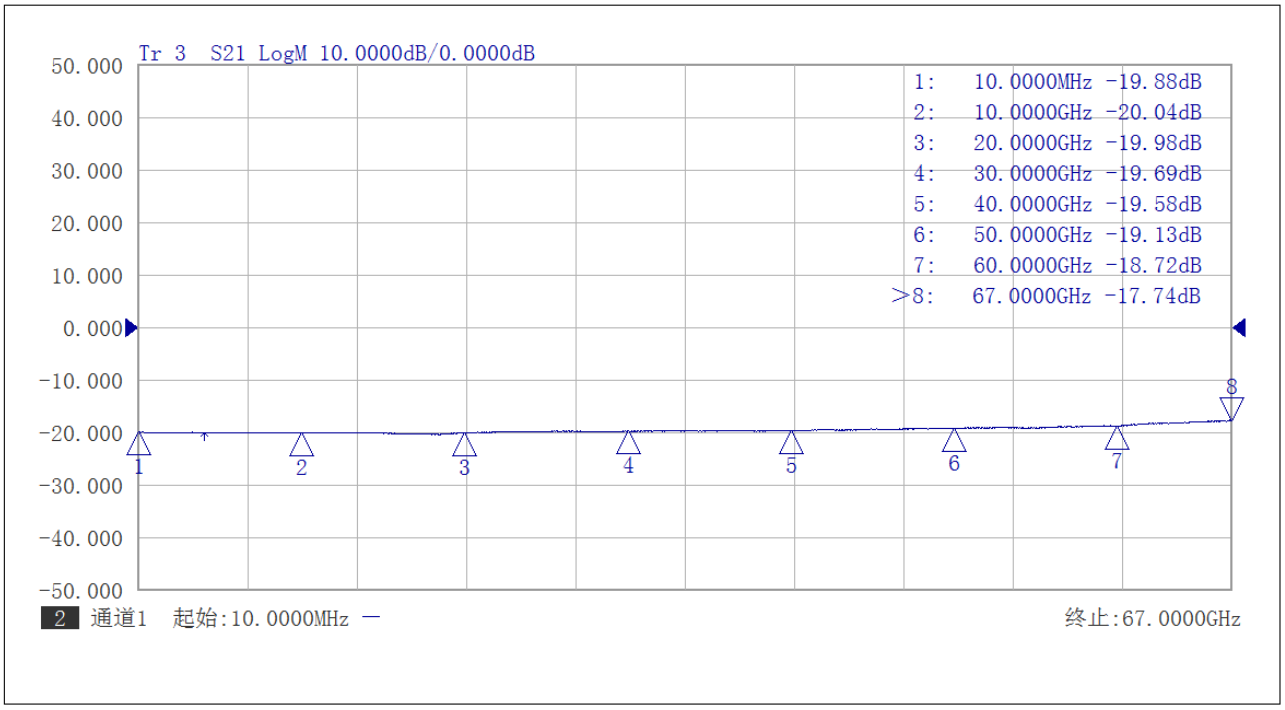
Absolute Maximum Ratings Table

Parameter	Value
RF RF1 Power	+30 dBm
Operating Temperature	-67 to +70C
Storage Temperature	-67 to +167C

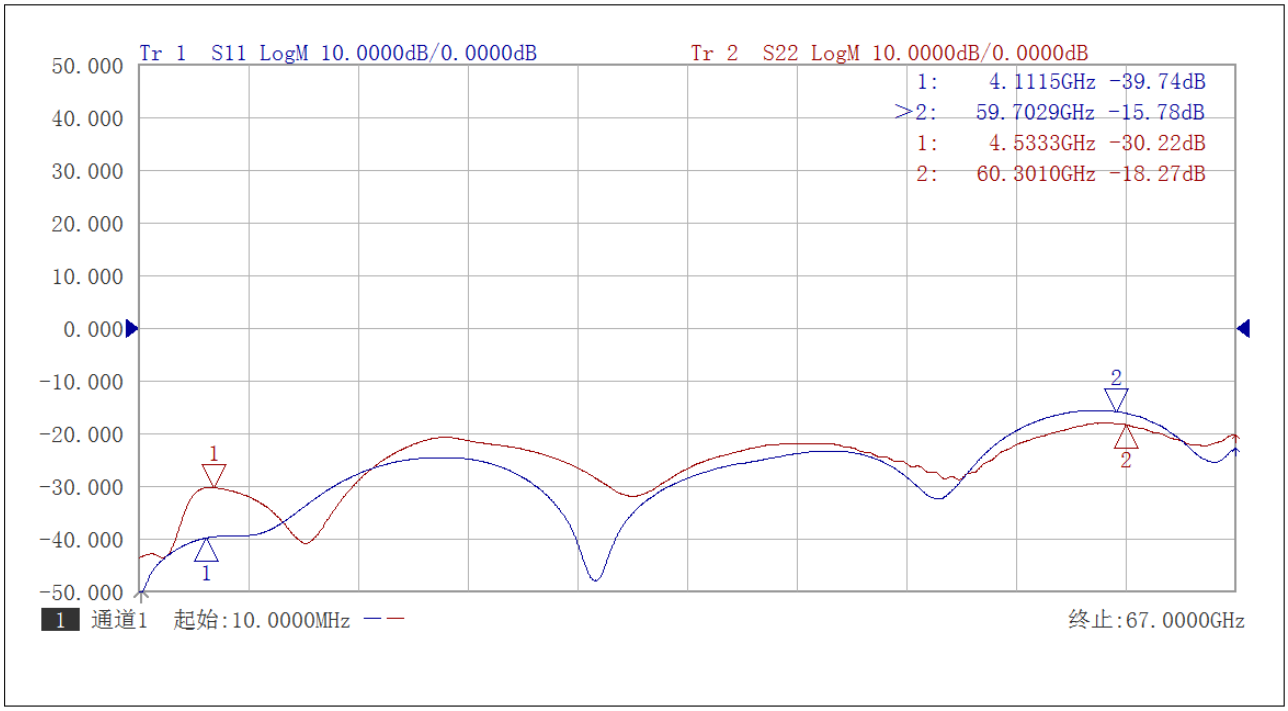
Notes:

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.

Test Data:



20dB S21 Test



20dB Return Loss Test

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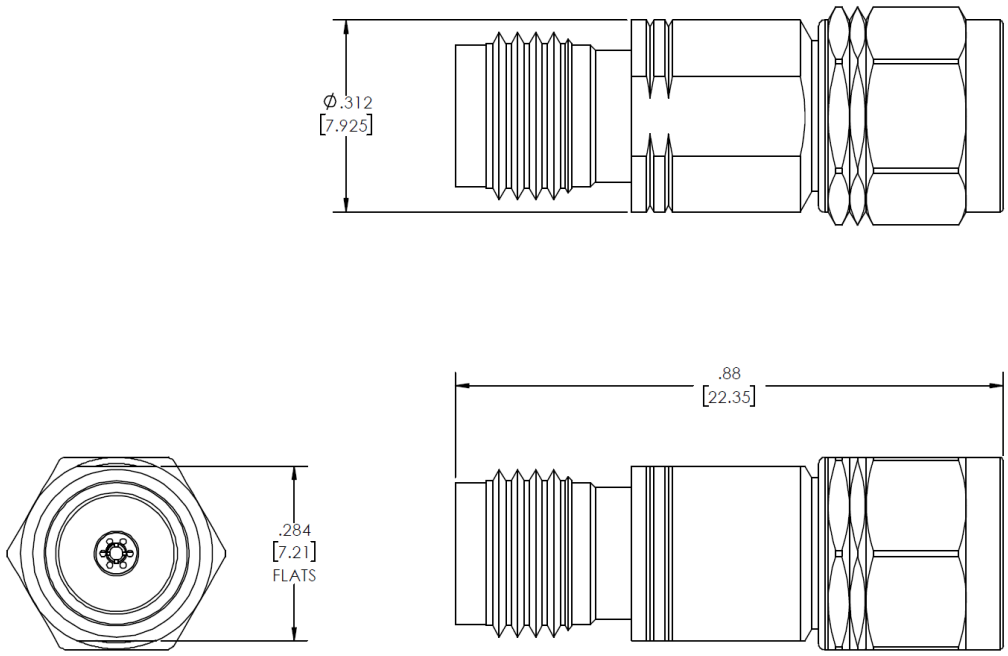
Dimension (mm)



History

Date	Description
2021-1-22	Datasheet Updated with test data curves.

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