

DC-40GHz High Precision Fixed Attenuator

3, 6, 10, 20, 30dB



Product Overview

AT-FAT-XX-40GHz 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 2W 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-40GHz
- ✓ Attenuation Value: 3/6/10/20/30dB
- ✓ Power Handling: 2W
- ✓ High Precision

Application

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

Key Features

Parameter	Min	Typical	Max
Frequency		DC-40GHz	
Attenuation Value		3/6/10/20/30dB	
Attenuation Precision		+/-1dB	
Return Loss		-20dB	
Power Handling			2W CW





AT-FAT-XX-40

DC-40GHz Fixed Attenuator

Ordering

Part Number	Description
AT-FAT-03-40	Attenuation value 3dB, DC-40GHz
AT-FAT-06-40	Attenuation value 6dB, DC-40GHz
AT-FAT-10-40	Attenuation value 10dB, DC-40GHz
AT-FAT-20-40	Attenuation value 20dB, DC-40GHz
AT-FAT-30-40	Attenuation value 30dB, DC-40GHz

Mechanical Information

Item	Description
RF1 Port	2.92mm Female
RF2 Port	2.92mm 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

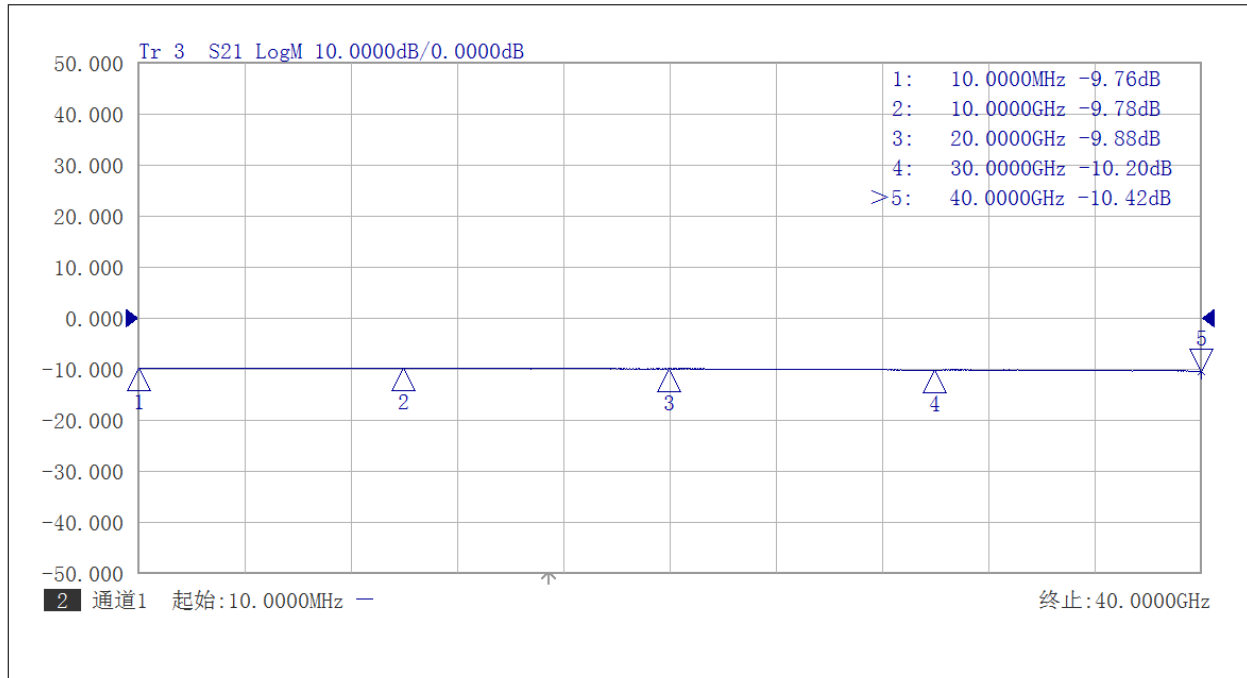
Parameter	Value
RF RF1 Power	+33 dBm
Operating Temperature	-40 to +70C
Storage Temperature	-65 to +150C

Notes:

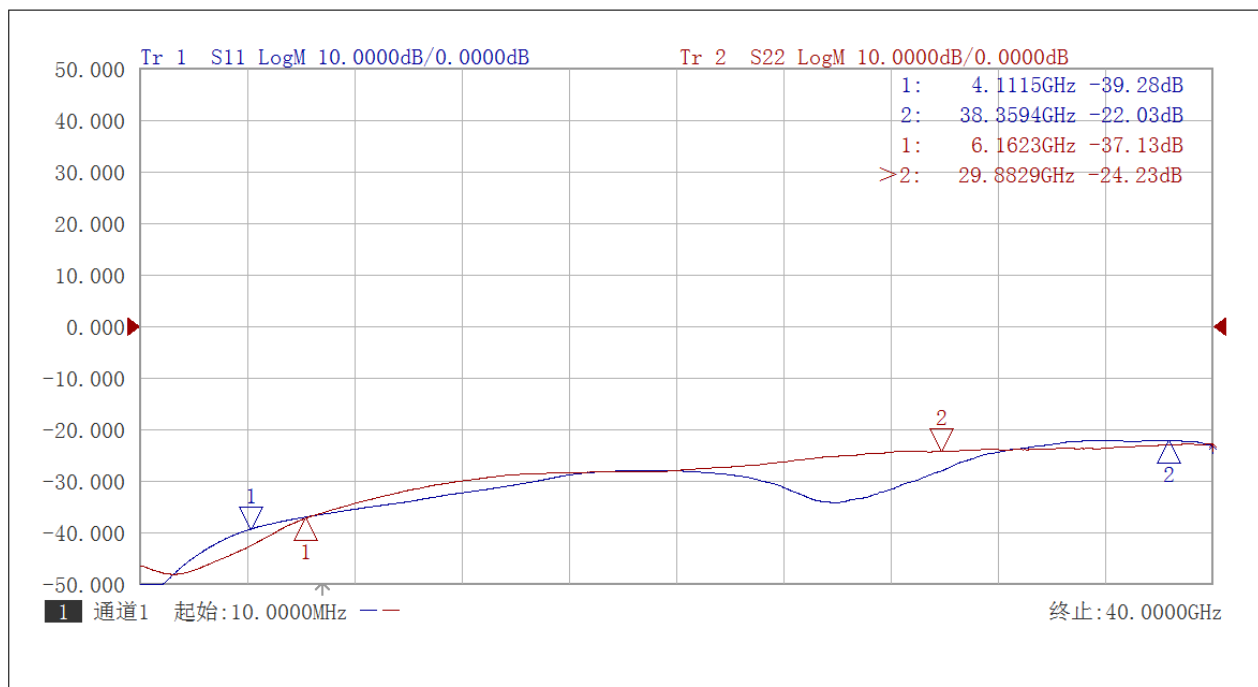
1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
2. This data is only for reference, not for guaranteed specifications.
3. Please contact AT Microwave team to make sure you have the most current data.



10DB TEST DATA



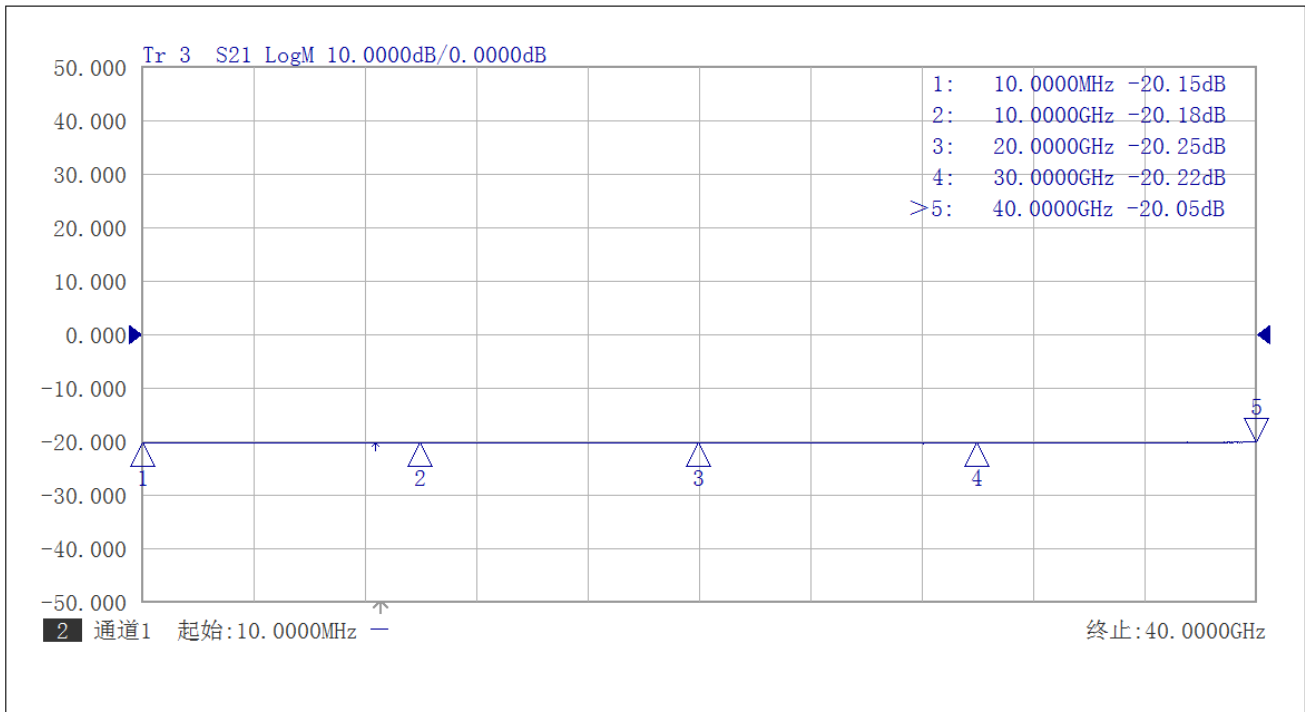
10dB S1 Test



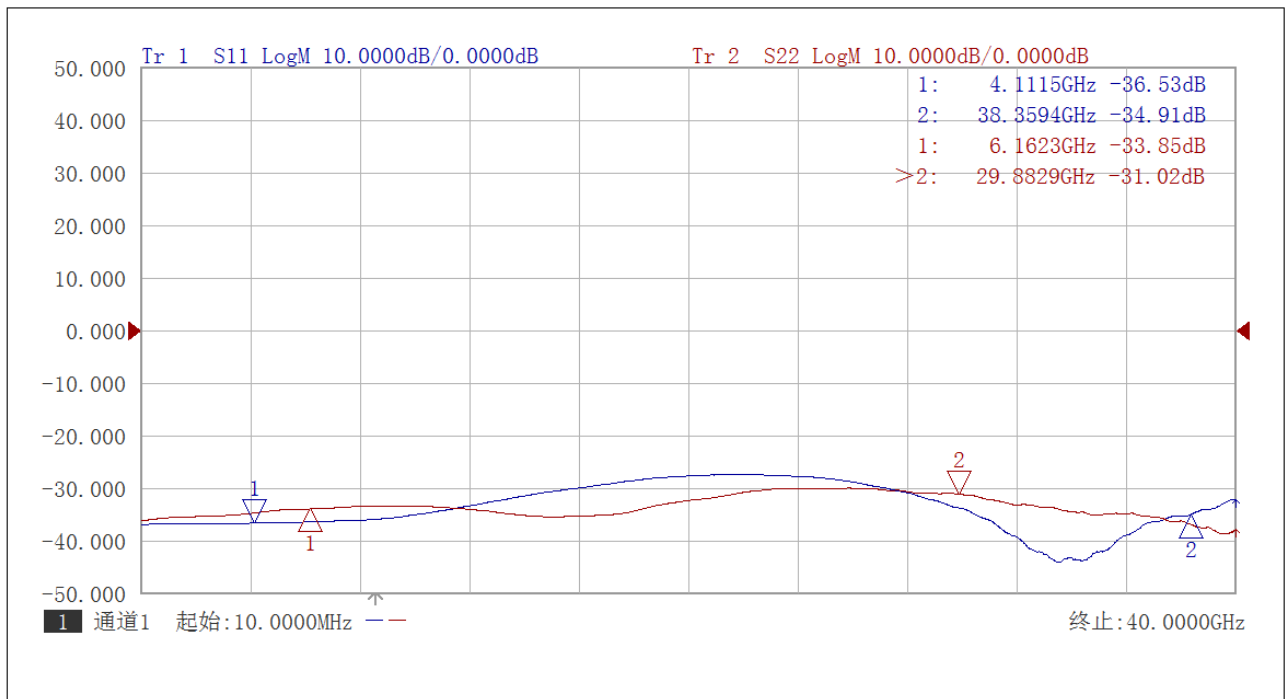
10dB Return Loss Test



20DB TEST DATA



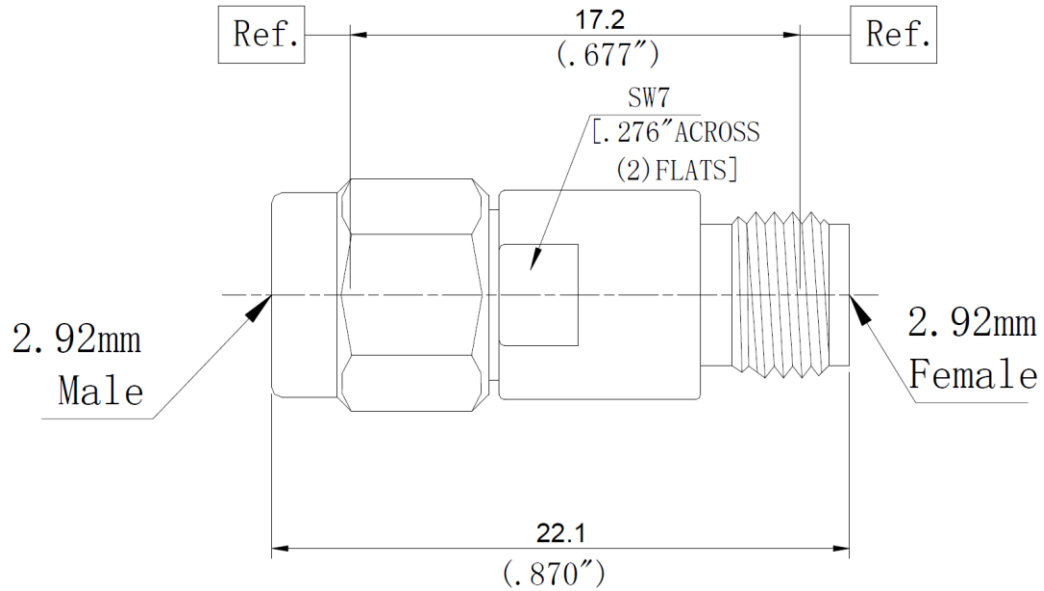
20dB S1 Test



20dB Return Loss Test



Dimension (mm)



History

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

