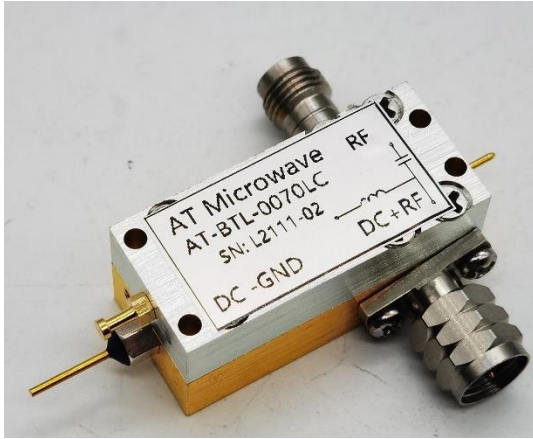


## 30kHz-70GHz Bias Tee



### Product Overview

AT-BTL-0070LC is a broadband bias tee from 30kHz to 70GHz. The insertion loss is -2dB typical. The max Voltage is 16V and Max current is 0.16A.

The bias tee can be used in optical communication, MMIC test and many other applications. AT Microwave provides many kinds of bias tee from SMA, 2.92mm, 2.4mm to 1.85mm Connectors

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

### Advantages

- ✓ Frequency: 30kHz-70GHz
- ✓ Insertion Loss: -3dB
- ✓ Max Voltage: 16V
- ✓ Power Handling: +27dBm

### Application

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

### Key Features

Parameter	Min	Typical	Max
Frequency		30kHz-70GHz	
Insertion Loss		-3dB	-4dB
Return Loss	-8dB	-15dB	
Max Voltage			+16V
Current			230mA
Power Handling			+27dBm





# AT-BTL-0070LC

30kHz-70GHz Bias Tee

## Mechanical Information

Item	Description
DC+RF Port	1.85mm Male
RF Port	1.85mm Female
DC Port	Sold Pin
Case Material	Copper
Finish	Gold Plated
Weight	20g
Size:	See outline

## Absolute Maximum Ratings Table

Parameter	Value
Voltage	+16V
RF RF1 Power	+27 dBm
Operating Temperature	-20 to +70C
Storage Temperature	-65 to +125C

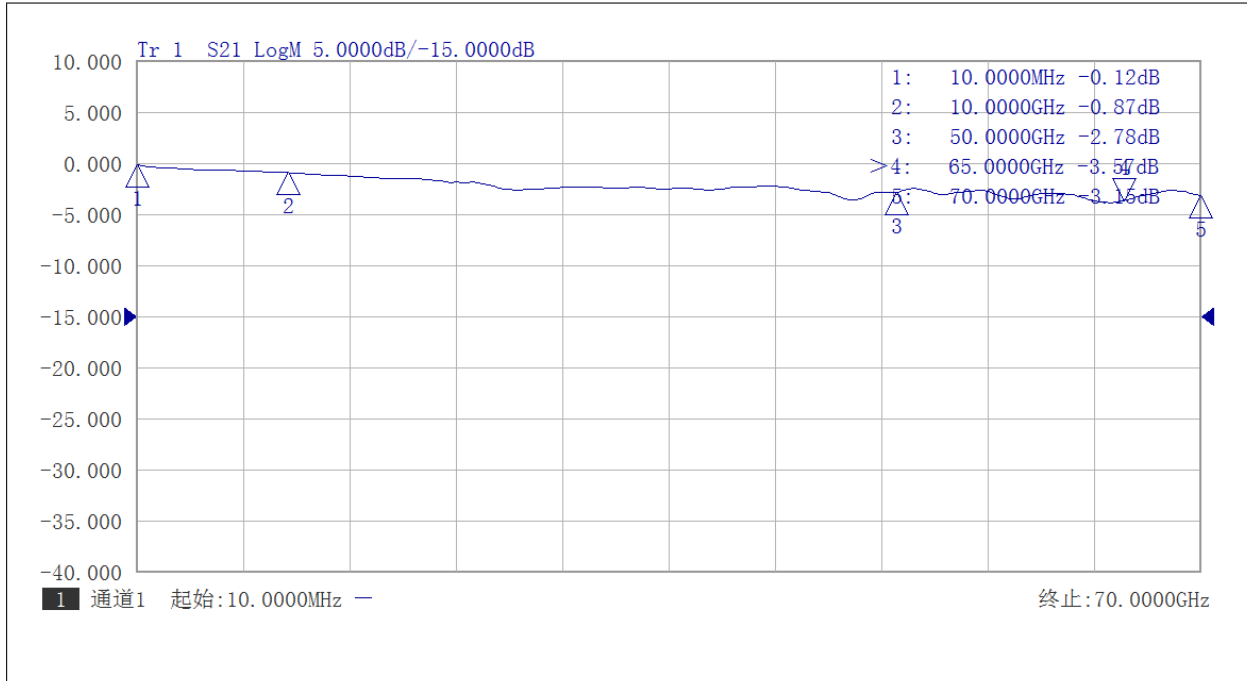
## Notes:

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.

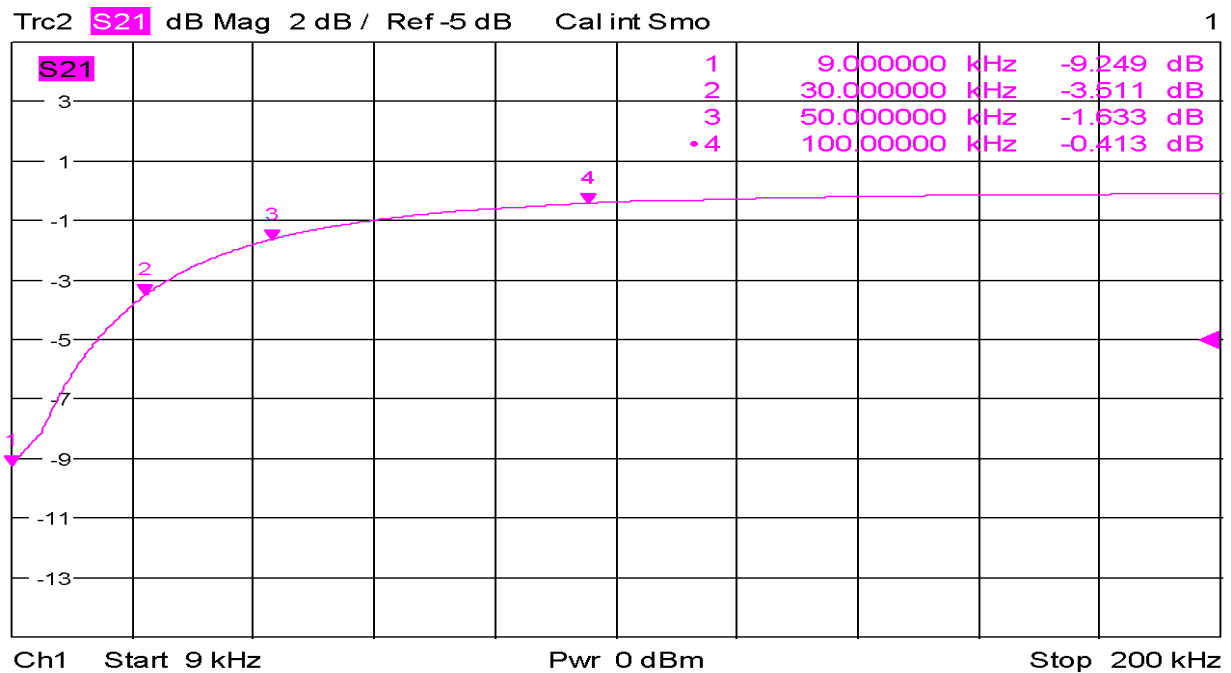


## Test Data (25C)

Please note that test curves will vary slightly from unit to unit.



Insertion Loss vs Frequency 10MHz-70GHz

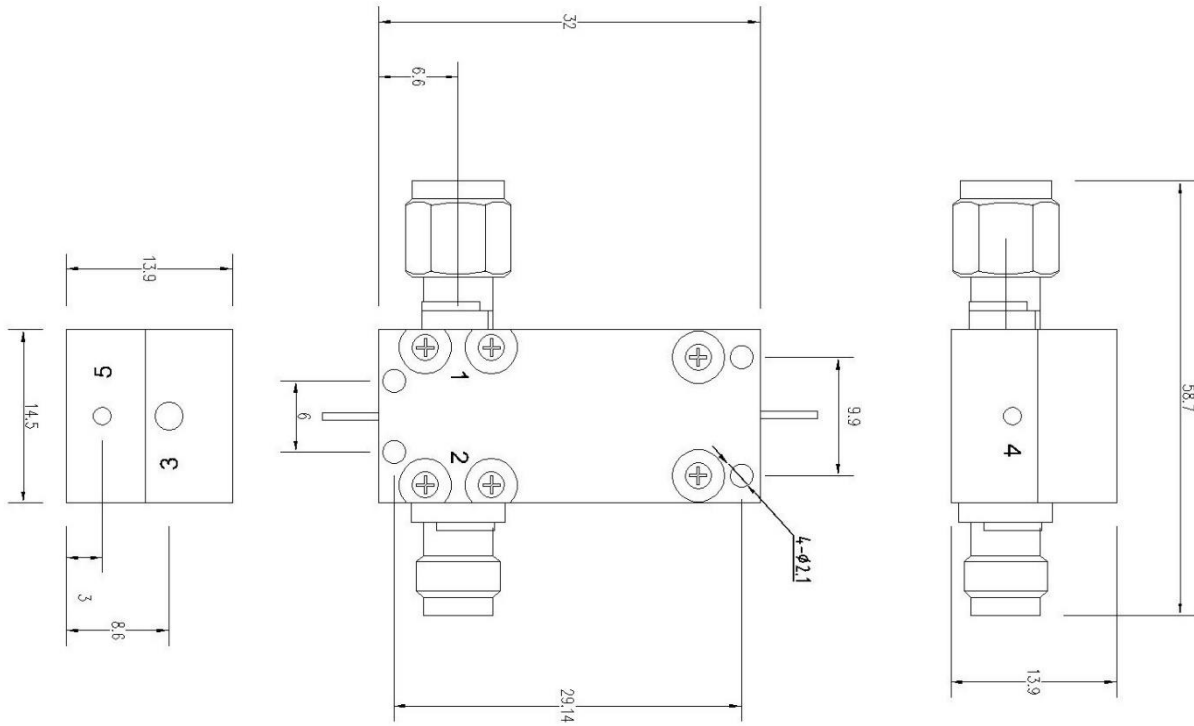


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Low Frequency Insertion Loss vs Frequency



### Dimension: (unit in mm)



### Pin Descriptions

Port#	Description
1	DC+ RF Port
2	RF Port
3	DC Input Port
4	DC Input, Port 3 and 4 are connected inside. Only apply one port during operation.
5	GND

### Part Number Selection

Port#	Description
AT-BTL-0070LC	In default, 1=Male, 2=Female
AT-BTL-0070LC-18F18F	1=1.85mm Female, 2=1.85mm Female
AT-BTL-0070LC-18M18F	1=1.85mm Male, 2=1.85mm Female
AT-BTL-0070LC-18M18M	1=1.85mm Male, 2=1.85mm Male

