

Broadband Wilkinson Power Divider

6-40GHz, 2.92mm Female

2024-8-13



Product Overview

AT Microwave offers high performance and broadband power divider from DC-67GHz, with SMA, SMA, 2.4mm and 1.85mm connectors.

Based on our excellent design work, precise machine tolerance and outstanding quality plating, we can provide band pass filter with low insertion loss, good return loss and high rejection at the same time.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Broadband Performance
- ✓ Low Insertion Loss
- ✓ Good Amplitude and Phase balance
- ✓ Good Return Loss

Application

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

Key Features

Parameter	Min	Typical	Max
Frequency Range		6-40GHz	
Normal Power Splitting		6dB	
Normal Phase Shift		0 Degree	
Insertion Loss		-1.0dB	-2.0dB
Amplitude Balance		+/-0.5dB	+/-1.2dB
Phase Balance		+/-3 Degree	+/-6 Degree
Return Loss		-10dB	
Isolation	15dB	20dB	
CW Power Forward			30W
CW Power Reverse			1W
Spec Temp		25C	





AT-PD4-0640

6-40GHz Broadband Wilkinson Power Divider

Mechanical Information

Item	Description
Input Port	2.92mm Female
Output Port	2.92mm Female
Case Material	Aluminum
Finish	Painted
Weight	180g
Size:	See outline

Absolute Maximum Ratings Table

Parameter	Value
RF Input Power CW Forward	30W
RF Input Power CW Reverse	1W
Operating Temperature	-40 to + 85C
Storage Temperature	-55 to +125C

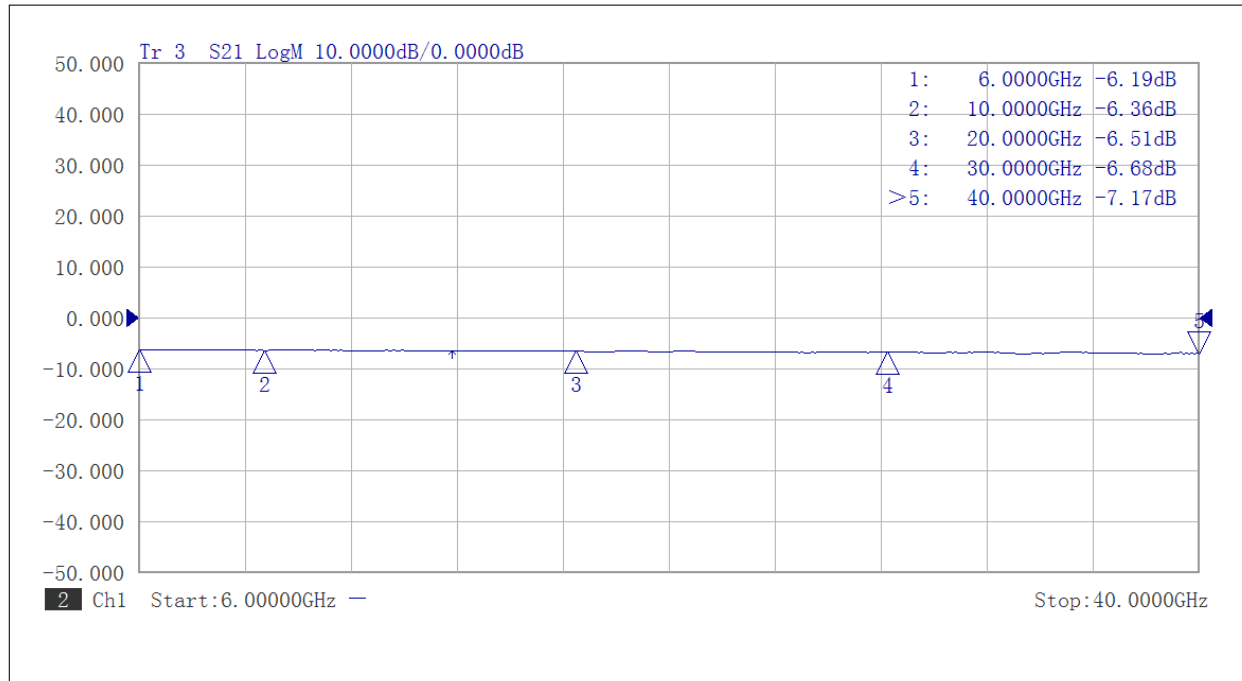
Notes:

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.

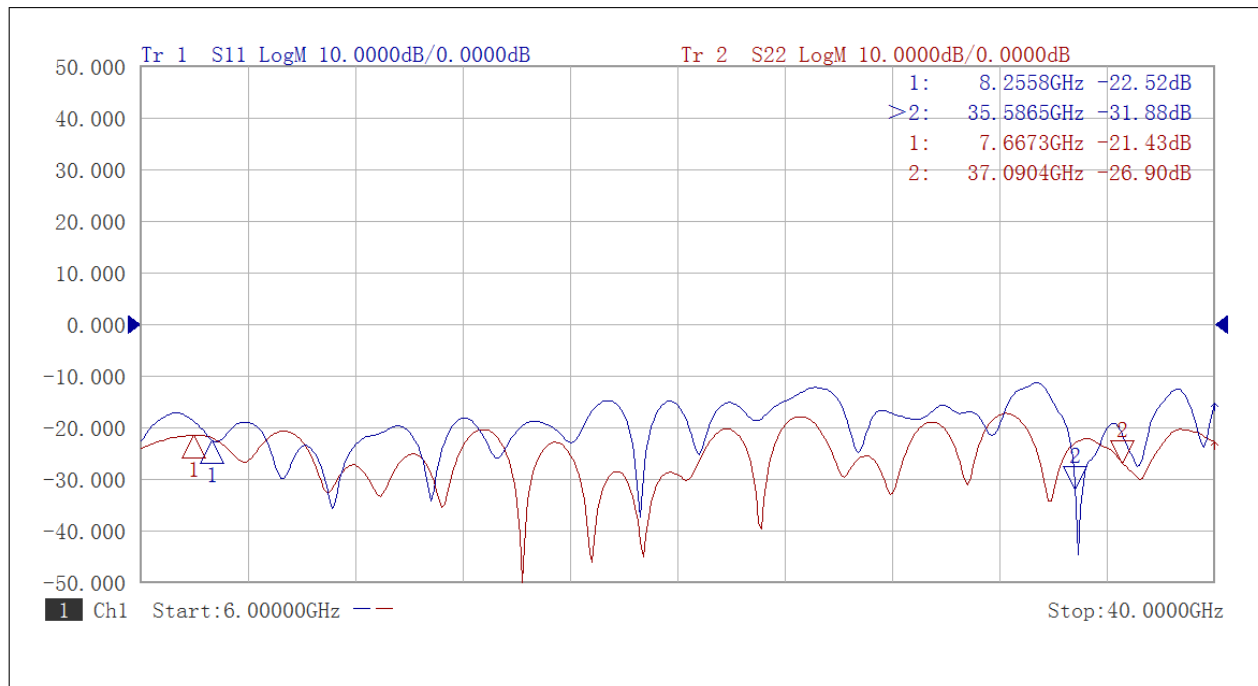


Test Data (25C)

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

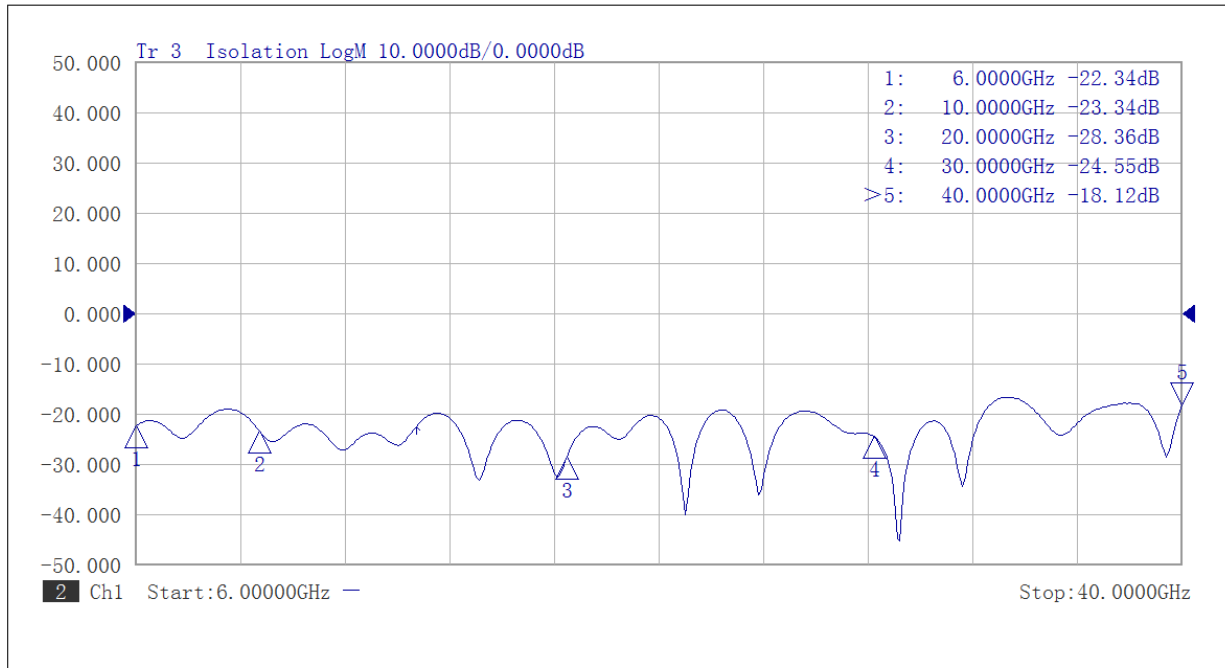


Insertion Loss vs Frequency

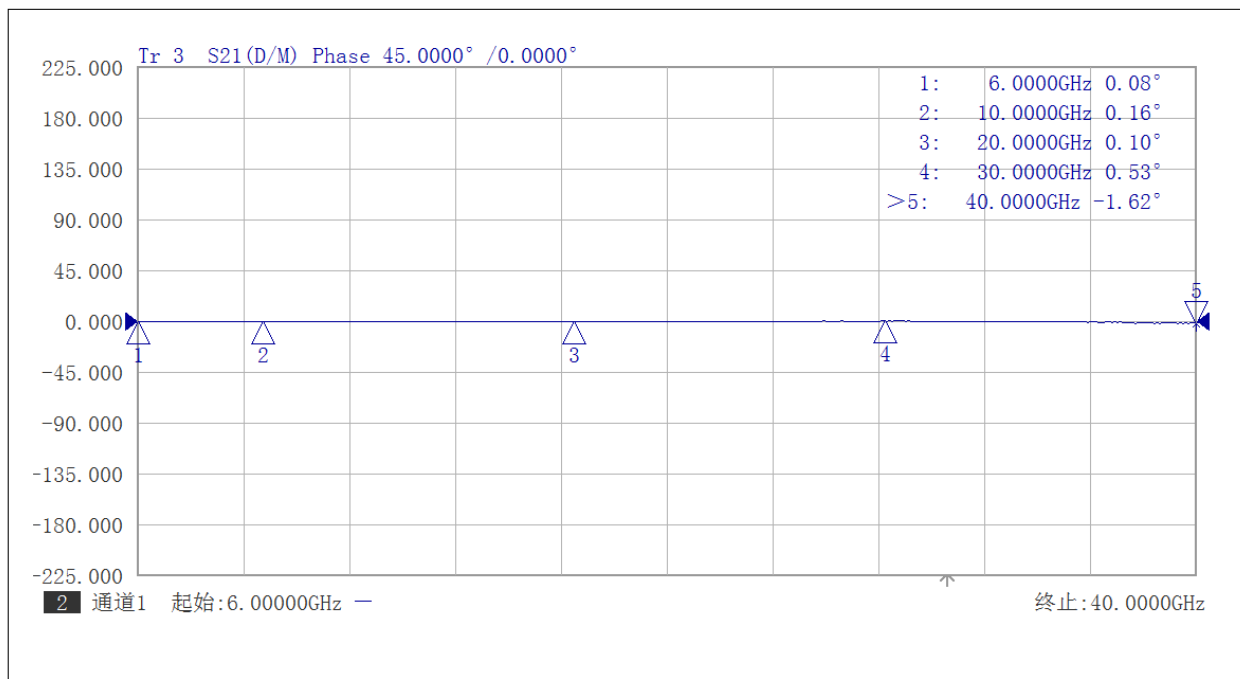


Return Loss vs Frequency





Isolation vs Frequency



Phase balance vs Frequency



Dimension: (unit in mm)

