AT-PD2-1840

18-40GHz Broadband Wilkinson Power Divider

Broadband Wilkinson Power Divider 18-40GHz, 2.92mm Female

2022-7-11

Product Overview

AT Microwave offers high performance and broadband power divider from DC-67GHz, with SMA, 2.92mm, 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		18-40GHz	
Normal Power Splitting		3 dB	
Normal Phase Shift		0 Degree	
Extra Insertion Loss		-1.0dB	-1.5dB
Amplitude Balance		+/-0.3dB	+/-0.5dB
Phase Balance		+/-3 Degree	+/-5 Degree
VSWR		1.5	1.8
Isolation	15dB	20dB	
CW Power			20W Forward 1W Reverse
Peak Power			200W
Spec Temp		25C	

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Mechanical Information

Item	Description
Input Port	2.92mm Female
Output Port	2.92mm Female
Case Material	Aluminum
Finish	Painted
Weight	80g
Size:	See outline

Absolute Maximum Ratings Table

Parameter	Value
RF Input Power CW	20W Forward; 1W Reverse
Operating Temperature(note)	-40 to + 85C
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.

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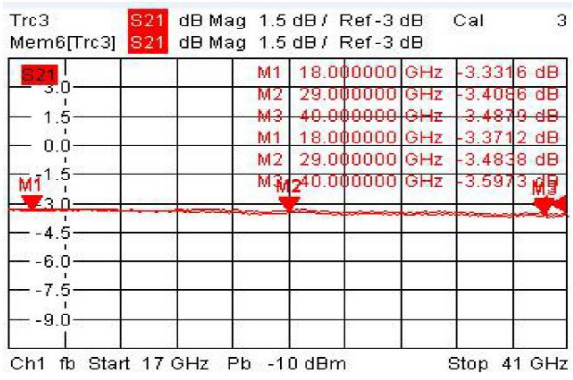
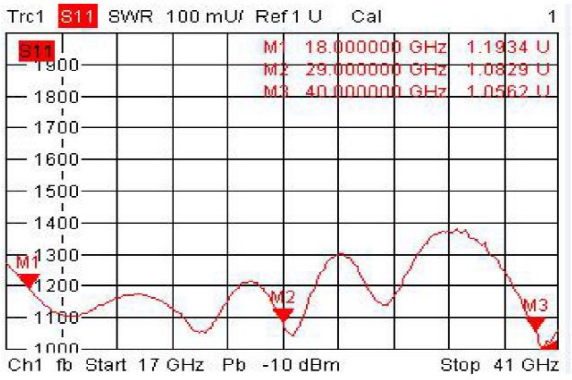
Test Data (25C)

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

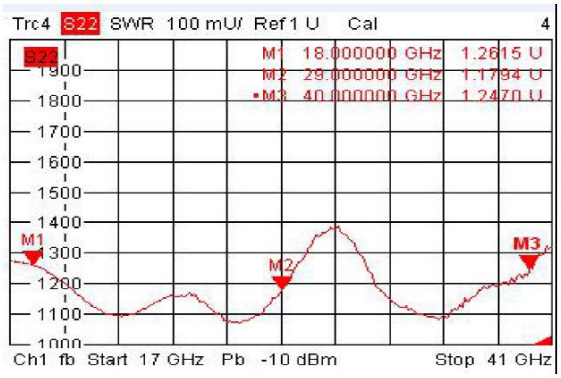
Loss & Amplitude



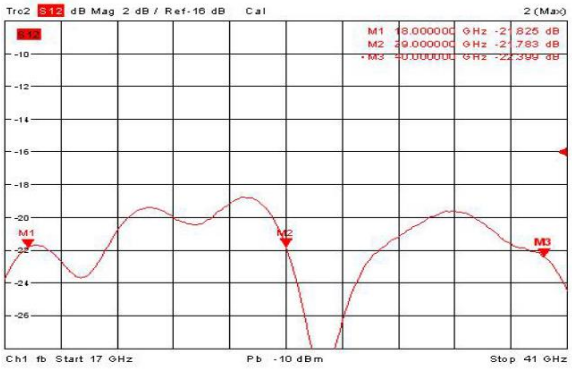
Input VSWR



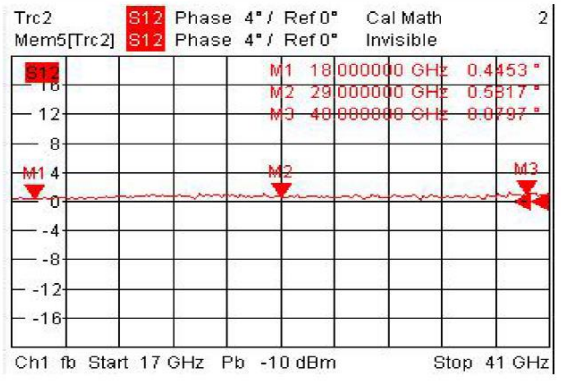
Output VSWR



Isolation



Phase Unbalance



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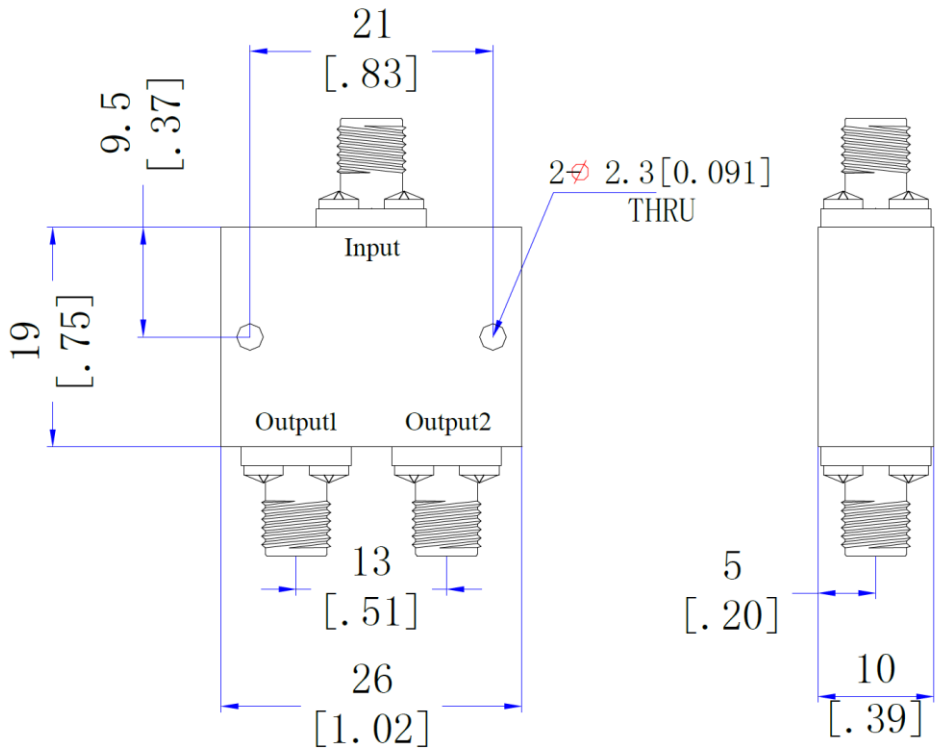
Dimension: (unit in mm)



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