

1-18GHz Broadband 180 Degree Hybrid



Product Overview

AT Microwave offers high performance and broadband hybrid from 0.1-50GHz, 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		1-18GHz	
Normal Coupling		3 dB	
Normal Phase Shift		180 Degree	
Extra Insertion Loss		1.8dB	2.6dB
Amplitude Balance		+/-0.5dB	+/-1.0dB
Phase Balance		+/-5 Degree	+/-12 Degree
VSWR		1.5	1.8
Isolation	13dB	15Db	
CW Power			30W
Peak Power			200W
Spec Temp		25C	





AT-H180-0118

1-18GHz Broadband 180 Degree Hybrid Coupler

Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	SMA Female
Case Material	Aluminum
Finish	Painted
Weight	150g
Size:	See outline

Absolute Maximum Ratings Table

Parameter	Value
RF Input Power CW	50W
Operating Temperature	-40 to + 85C
Storage Temperature	-65 to +125C

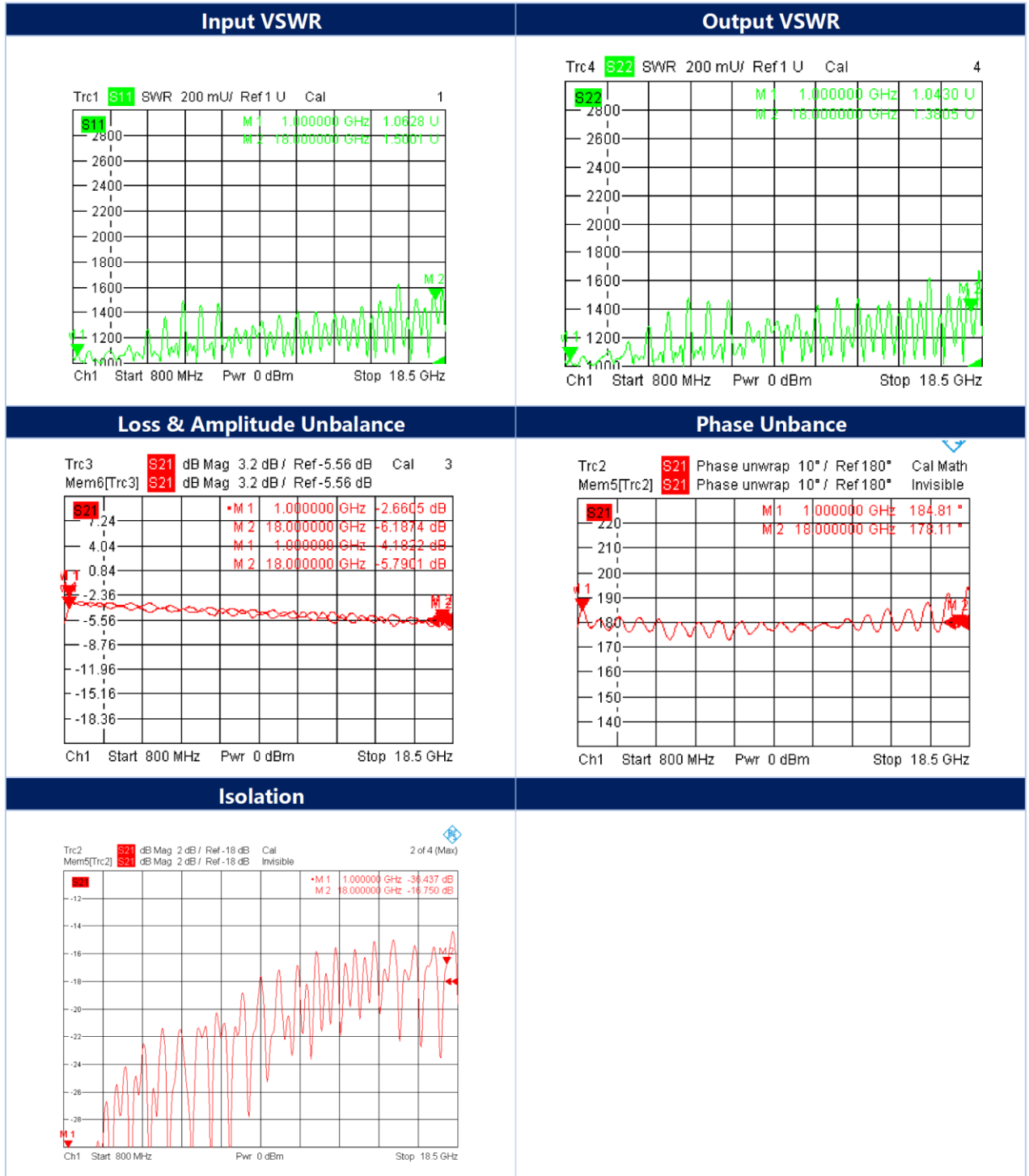
Notes:

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.



Test Data (25C)

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



Dimension: (unit in mm)

