

6-26.5GHz 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

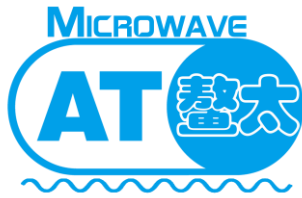
Application

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

Key Features

Parameter	Min	Typical	Max
Frequency Range		6-26.5GHz	
Normal Coupling		3 dB	
Normal Phase Shift		180 Degree	
Extra Insertion Loss		1.5dB	2.8dB
Amplitude Balance		+/-0.8dB	+/-1.2dB
Phase Balance		+/-8 Degree	+/-12 Degree
VSWR		1.5	1.8
Isolation	13dB	15dB	
CW Power			30W
Peak Power			200W
Spec Temp		25C	





AT-H180-0626

6-26.5GHz 180 Degree Hybrid Coupler

Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	SMA Female
Case Material	Aluminum
Finish	Painted
Weight (Without Heatsink)	80g
Size:	48x36x12.7mm

Absolute Maximum Ratings Table

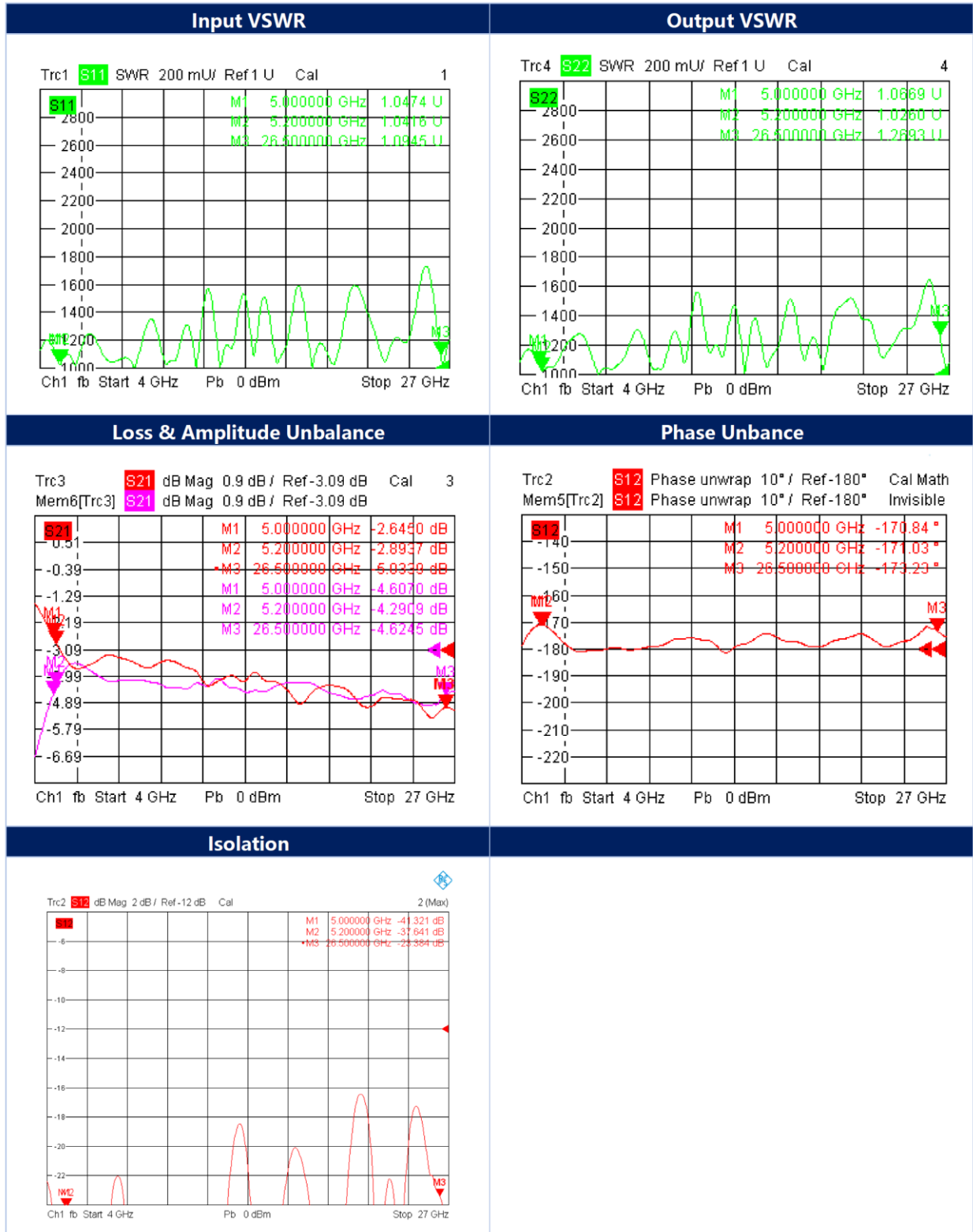
Parameter	Value
RF Input Power CW	30W
Operating Temperature(note)	-40 to + 85C
Storage Temperature	-65 to +125C

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.



Test Data:



Dimension: (unit in mm)

