

1-18GHz Broadband Directional Coupler



Product Overview

AT Microwave offers high performance and broadband directional couplers 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
- ✓ Excellent Coupling Accuracy
- ✓ High Directivity
- ✓ Good Return Loss

Application

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

Key Features

Parameter	Min	Typical	Max
Frequency		1-18GHz	
Mean Coupling		30 dB	
Coupling Accuracy		+/-1.2dB	
Main Line Extra Insertion Loss		-1.0dB	-1.5dB
Main Line VSWR		1.5	1.8
Coupling Line VSWR		1.5	1.8
Directivity	8dB	10dB	
CW Power			20W
Peak Power			3kW
Spec Temp		25C	



Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	SMA Female
Case Material	Aluminum
Finish	Painted
Weight (Without Heatsink)	80g
Size:	75x15x11 mm

Absolute Maximum Ratings Table

Parameter	Value
RF Input Power CW	20W
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.

Dimension: (unit in mm)

