

18-40GHz 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		18-40GHz	
Normal Coupling		3 dB	
Normal Phase Shift		180 Degree	
Extra Insertion Loss		1.8dB	3.0dB
Amplitude Balance		+/-0.8dB	+/-1.3dB
Phase Balance		+/-8 Degree	+/-13 Degree
VSWR		1.5	2.0
Isolation	10dB	12dB	
CW Power			20W
Peak Power			200W
Spec Temp		25C	



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	30W
Operating Temperature	-40 to + 85C
Storage Temperature	-65 to +125C

Dimension: (unit in mm)

