

### 6-18GHz Broadband 90 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](http://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		6-18GHz	
Normal Coupling		3 dB	
Normal Phase Shift		90 Degree	
Extra Insertion Loss		0.8dB	1.0dB
Amplitude Balance		+/-0.4dB	+/-0.6dB
Phase Balance		+/-4 Degree	+/-5 Degree
VSWR		1.25	1.5
Isolation	13dB	16dB	
CW Power			30W
Peak Power			200W
Spec Temp		25C	



### Mechanical Information

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

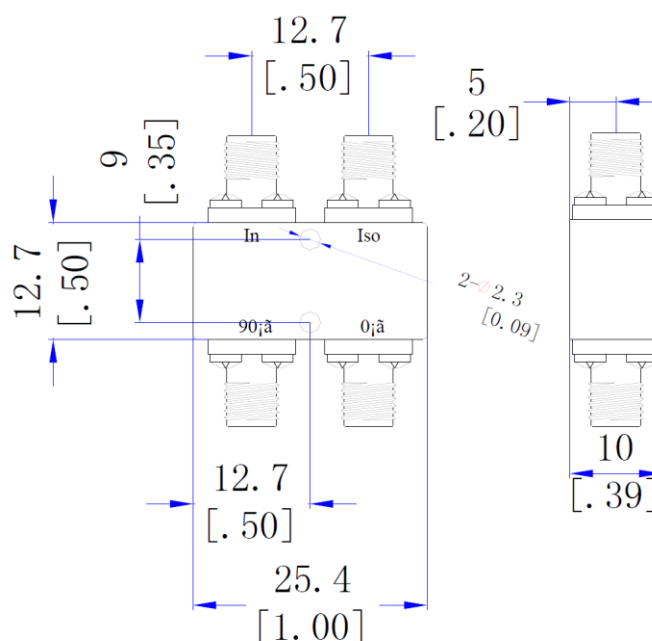
### Absolute Maximum Ratings Table

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

### 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)



### Test Data (25C)

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

