

1-40GHz Broadband Directional Coupler



Product Overview

AT Microwave offers high performance and broadband directional couplers from DC-67GHz, 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
- ✓ 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 | | 1-40GHz | |
| Mean Coupling | | 20 dB | |
| Coupling Accuracy | | +/-1.2dB | |
| Main Line Extra Insertion Loss | | -1.5dB | -2.8dB |
| Main Line VSWR | | 1.5 | 1.8 |
| Coupling Line VSWR | | 1.5 | 1.8 |
| Directivity | 10dB | 13dB | |
| CW Power | | | 20W |
| Peak Power | | | 3kW |
| Spec Temp | | 25C | |



Mechanical Information

| Item | Description |
|---------------------------|---------------|
| Input Port | 2.92mm Female |
| Output Port | 2.92mm Female |
| Case Material | Aluminum |
| Finish | Painted |
| Weight (Without Heatsink) | 80g |
| Size: | 85x15x11 mm |

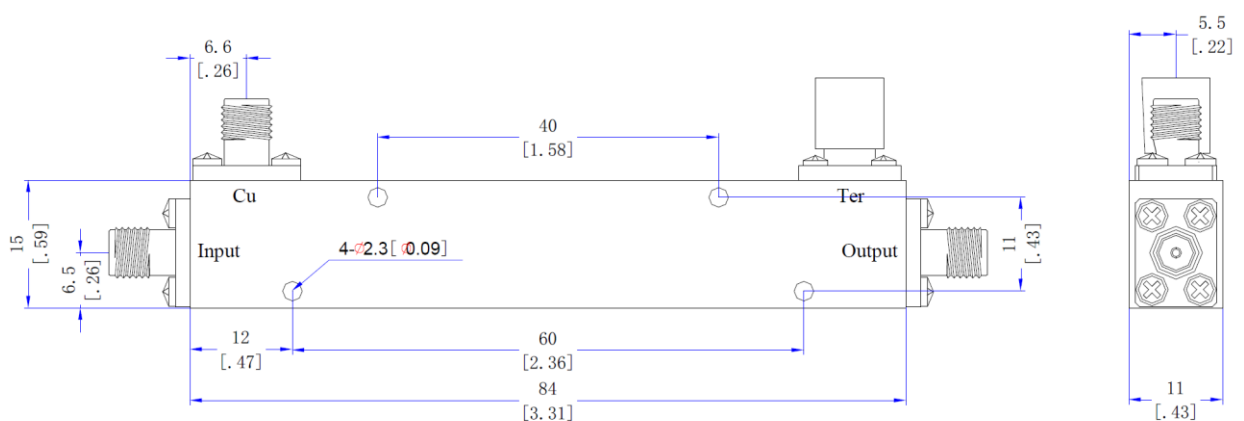
Absolute Maximum Ratings Table

| Parameter | Value |
|-----------------------------|--------------|
| RF Input Power CW | 20W |
| Operating Temperature(note) | -40 to + 70C |
| 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

