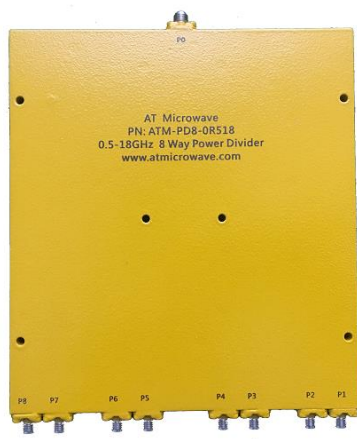


# AT-PD8-0R506

0.5-6GHz Broadband Wilkinson Power Divider

## Broadband Wilkinson Power Divider 0.5-6GHz, SMA Female



### Product Overview

AT Microwave offers high performance and broadband power divider 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](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        |      | 0.5-6GHz    |              |
| Normal Power Splitting |      | 9dB         |              |
| Normal Phase Shift     |      | 0 Degree    |              |
| Insertion Loss         |      | -2.5dB      | -3.5dB       |
| Amplitude Balance      |      | +/-0.4dB    | +/-1.0dB     |
| Phase Balance          |      | +/-4 Degree | +/-10 Degree |
| VSWR                   |      | 1.5         | 1.8          |
| Isolation              | 15dB | 20dB        |              |
| CW Power Forward       |      |             | 30W          |
| CW Power Reverse       |      |             | 2W           |
| Spec Temp              |      | 25C         |              |





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## Mechanical Information

| Item          | Description |
|---------------|-------------|
| Input Port    | SMA Female  |
| Output Port   | SMA Female  |
| Case Material | Aluminum    |
| Finish        | Painted     |
| Weight        | 180g        |
| Size:         | See outline |

## Absolute Maximum Ratings Table

| Parameter                 | Value        |
|---------------------------|--------------|
| RF Input Power CW Forward | 30W          |
| RF Input Power CW Reverse | 2W           |
| Operating Temperature     | -40 to + 85C |
| Storage Temperature       | -65 to +125C |

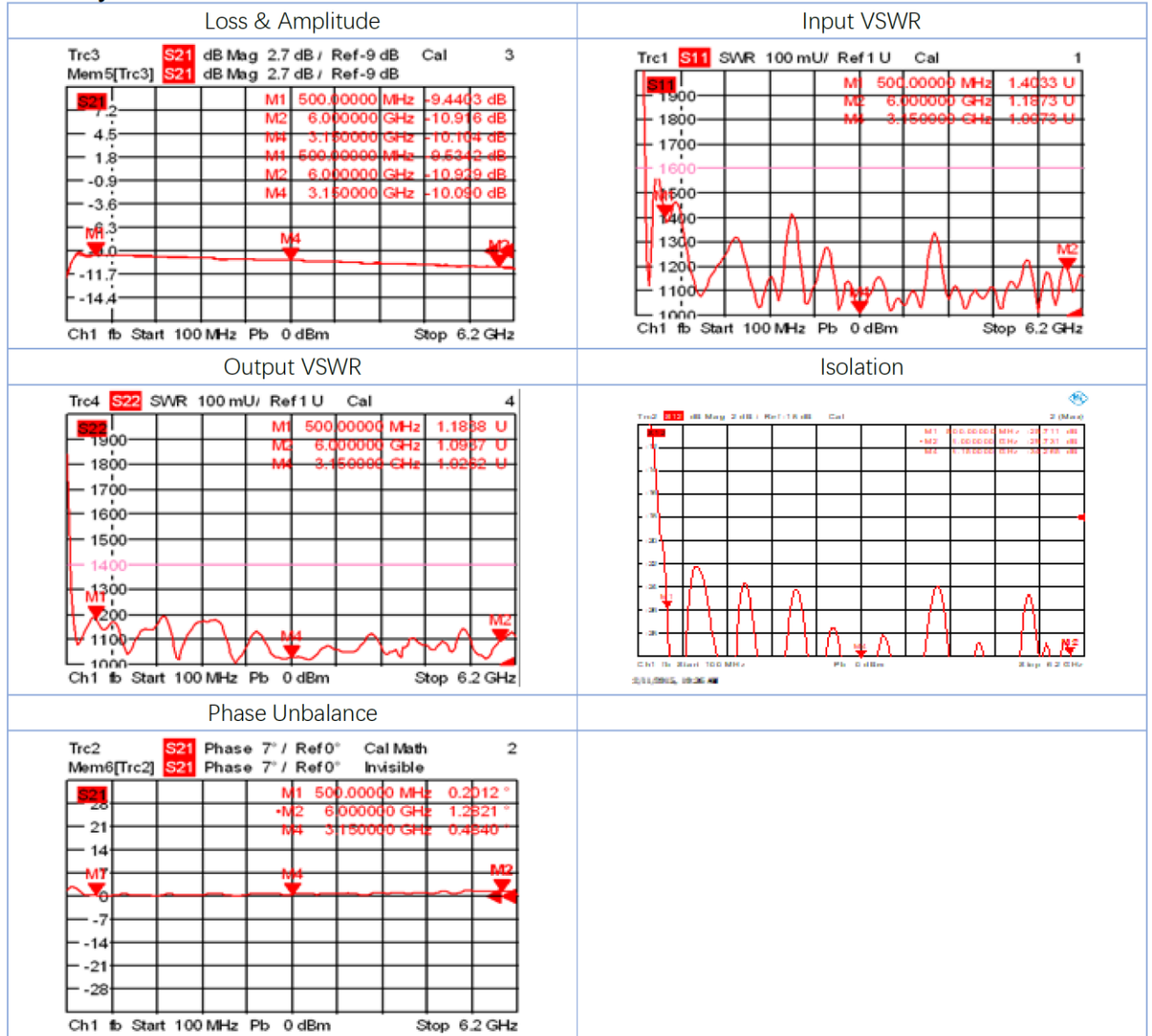
## Notes:

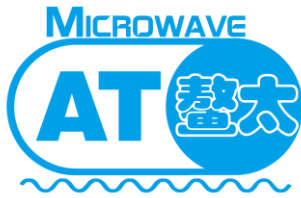
1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
2. This data is only for reference, not for guaranteed specifications.
3. Please contact AT Microwave team to make sure you have the most current data.



### Test Data (25C)

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





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**Dimension:** (unit in mm)

