



Focus on the future

Broadband Power Divider

MM-BPD-080124-08

8.0-12.4 GHz, 8-Way

General Description

MM-BPD-080124-08 is a 8-Way Power Divider operating over the 8.0 to 12.4 GHz frequency range. This model has a maximum insertion loss of 1.5 dB and has very good phase and amplitude match. The compact housing is outfitted with SMA female connectors.

Features

- Ultra Wide Band: 8.0-12.4 GHz
- Ultra Broadband, Multi-Octave
- Superior Phase & Amplitude Balance

Applications

- Radar Systems
- Communication Systems
- Receivers Systems

Electrical Specifications

| Parameter | Value | | | Units |
|-------------------|-------|-----|------|-------|
| | Min | Typ | Max | |
| Frequency Range | 8.0 | | 12.4 | GHz |
| Insertion Loss | | | 1.5 | dB |
| VSWR | | | 1.6 | :1 |
| Isolation | 16 | | | dB |
| Amplitude Balance | | | ±0.5 | dB |
| Phase Balance | | | ±8 | ° |
| Power Handling | | | 30 | W |
| Impedance | | 50 | | Ω |

Mechanical Specifications

| Parameter | Value |
|----------------------|----------------------|
| Length | 101.5 mm |
| Width | 57.5 mm |
| Height | 10 mm |
| Material / Finishing | Aluminum/Black Paint |
| RF Connector | SMA Female |



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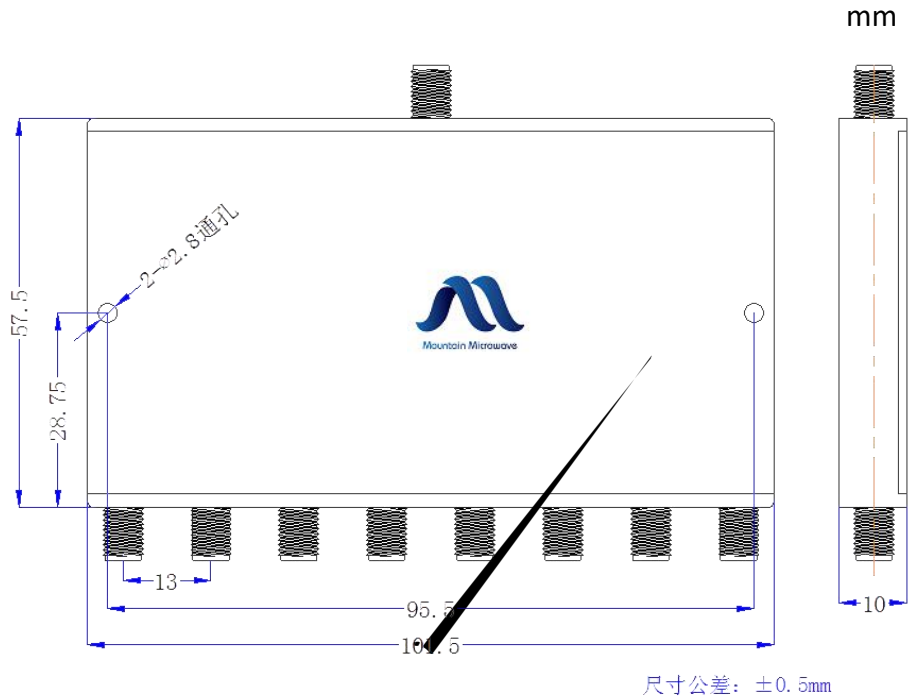
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Mountain Microwave

Outline Drawing



Environmental Conditions

| Parameter | Standard | Description |
|-------------------------|-------------------------------------|-------------------------------|
| Operational Temperature | | -45°C~+85°C |
| Storage Temperature | | -55°C~+125°C |
| Random Vibration | MIL-STD-883K, Method 2026, Cond. IB | 50 - 2000 Hz, 7.3 Grms |
| Humidity | MIL-STD-202, Method 103B, Cond. B | 100% RH at 35c, 95%RH at 40°C |
| Altitude | MIL-STD-883K, Method 1001, Cond. C | 50,000 feet |

Please note, all information contained in this data sheet is subject to change without notice.

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