

2 Way Power Divider SMA Connectors From 5 MHz to 1,000 MHz Rated at 1 Watts

Fairview Microwave carries a wide selection of power dividers to fit your needs. These components are essential in many systems, allowing the combination of multiple signals or splitting of a single signal into multiple signals with equal magnitude and phase. Fairview Microwave's resistive and Wilkinson power dividers come with excellent performance featuring minimal loss, high isolation and low VSWR. They are available in both narrow and broad bandwidths with a variety of connector types such as 2.92mm, BNC, N and SMA.

The MP051000-2 is a 2 way reactive power divider that operates from 5 to 1,000 MHz can handle up to 1 Watt (CW) with 1 dB max insertion loss and 25 dB min isolation. The package interface uses SMA female connectors and is REACH and RoHS compliant.

Electrical Specifications

Design: Reactive
Number of Output Ports: 2

Description	Min	Typ	Max	Units
Frequency Range	5		1,000	MHz
Impedance		50		Ohms
Input VSWR			1.3:1	
Output VSWR			1.3:1	
Insertion Loss			1	dB
Isolation	25			dB
Amplitude Balance			0.3	dB
Phase Balance			3	Degrees
Input Power (CW)			1	Watt

Electrical Specification Notes:
Max input power rated for load VSWR better than 1.20:1.

Mechanical Specifications

Size
 Length: 0.9 in [22.86 mm]
 Width: 0.9 in [22.86 mm]
 Height: 0.5 in [12.7 mm]
 Weight: 0.0515 lbs [23.36 g]

Configuration
 Package Type: Connectorized
 Input Connector: SMA Female
 Output Connectors: SMA Female

Environmental Specifications

Temperature
 Operating Range: -25 to +80 deg C
 Storage Range: -55 to +150 deg C
 Humidity: MIL-STD-202, Method 106 (90% relative humidity, +65°C)



Features:

- 2-Way Power Divider
- Reactive Design
- 5 to 1,000 MHz Frequency Range
- Max Power 1 Watt (CW)
- Insertion Loss < 1 dB
- Isolation > 25 dB

Applications:

- Test and Measurement
- Military Communications
- Commercial Communications
- Wireless Communications
- SATCOM

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Shock
Vibration

MIL-STD-202, Method 213/I (100 G's, 6 ms)
MIL-STD-202, Method 204/D (10 to 2,000 Hz, 20 G's, 12 hours)

Altitude
Thermal Shock

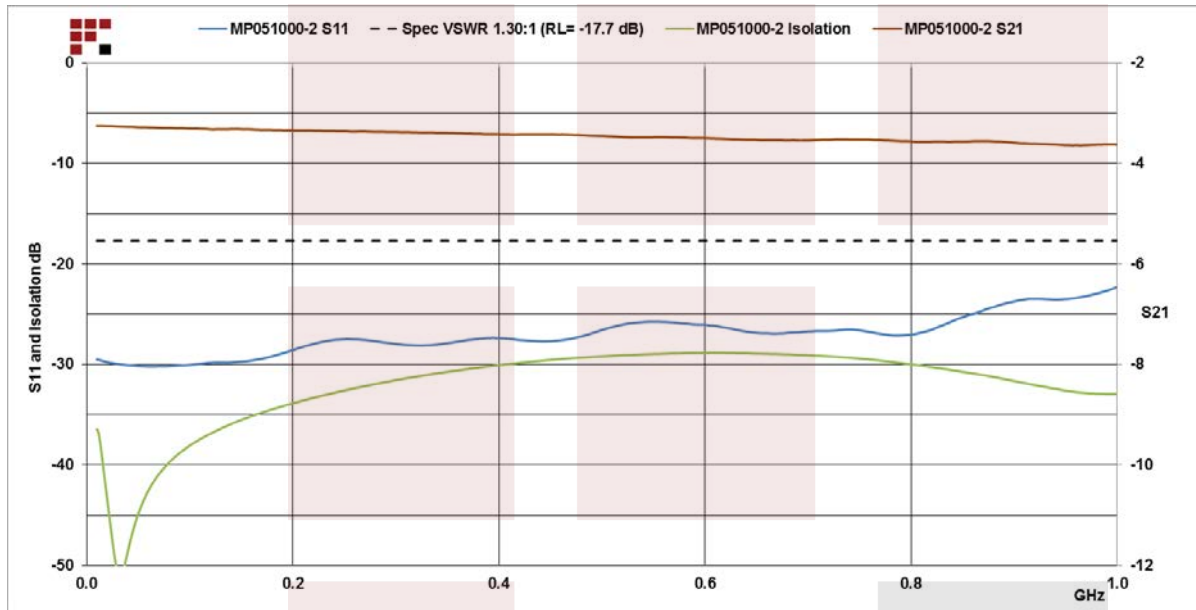
MIL-STD-202, Method 105/E (150,000 feet)
MIL-STD-202, Method 107/B (-55°C to +85°C)

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Typical Performance Data

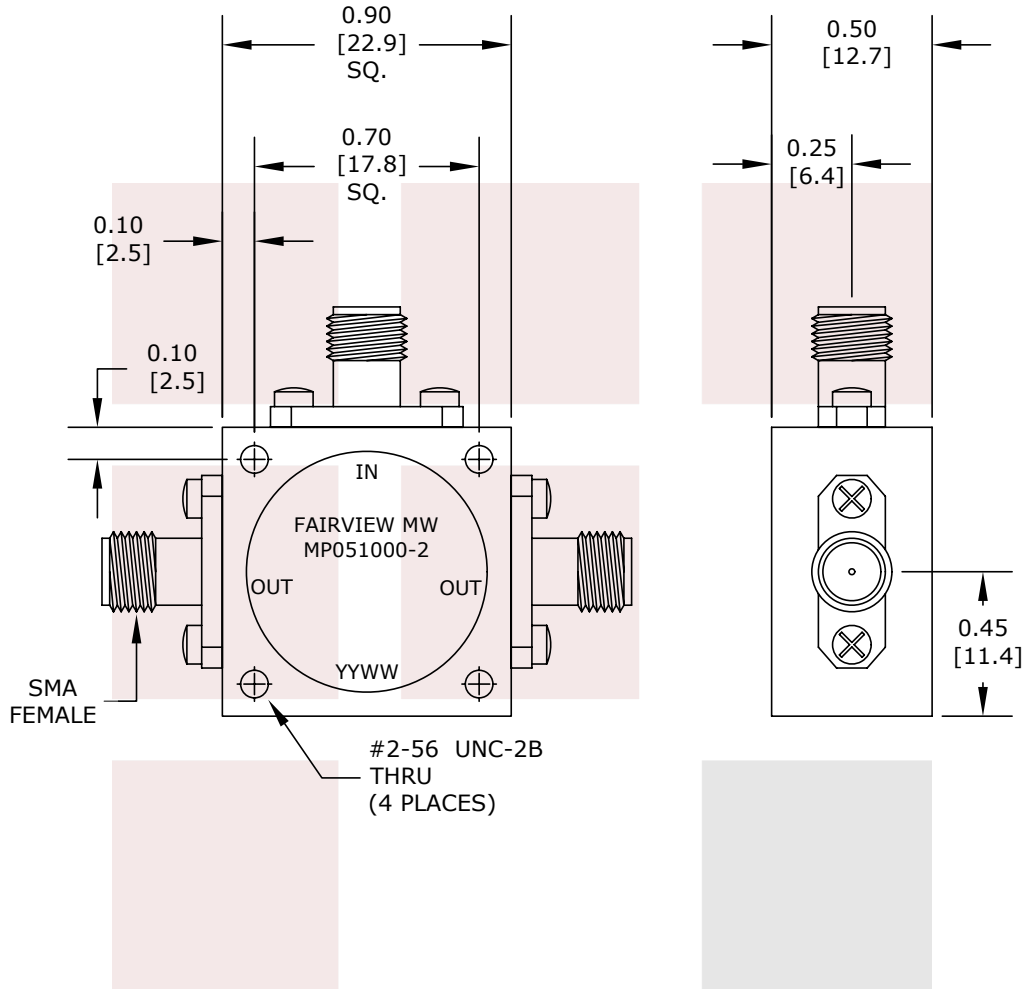


2 Way Power Divider SMA Connectors From 5 MHz to 1,000 MHz Rated at 1 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2 Way Power Divider SMA Connectors From 5 MHz to 1,000 MHz Rated at 1 Watts MP051000-2](#)

URL: <https://www.fairviewmicrowave.com/2-way-power-divider-sma-1000-mhz-1-watts-mp051000-2-p.aspx>

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STANDARD TOLERANCES	
DECIMAL	
.XX	±0.02
.XXX	±0.010

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].			
TITLE 2 Way Power Divider SMA Connectors From 5 MHz to 1,000 MHz Rated at 1 Watts	DWG NO MP051000-2	CAGE CODE 3FKR5			
CAD FILE 051216	SHEET	SCALE N/A	SIZE A	3045	