

**2 Way Power Divider SMA Interface from 698 MHz to 2.7 GHz Rated at 10 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 reactive 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.

The MP8303-2 is a 2 way Wilkinson power divider that operates from 698 MHz to 2.7 GHz and can handle up to 10 Watts (CW). This SMA power divider offers 20 dB min isolation and 1.25:1 max VSWR. The package interface uses SMA inputs on all of the ports.



**Electrical Specifications**

Design: Wilkinson  
Number of Output Ports: 2

Description	Min	Typ	Max	Units
Frequency Range	0.698		2.7	GHz
Impedance		50		Ohms
Input VSWR			1.25:1	
Output VSWR			1.25:1	
Insertion Loss			0.5	dB
Isolation	20			dB
Amplitude Balance			±0.3	dB
Phase Balance			±3	Degrees
Input Power (CW)			10	Watts

Electrical Specification Notes:  
Values at +25°C, sea level.

**Mechanical Specifications**

**Size**  
Length: 2.25 in [57.15 mm]  
Width: 1.82 in [46.23 mm]  
Height: 0.4 in [10.16 mm]  
Weight: 0.128 lbs [58.06 g]

**Configuration**  
Input Connector: SMA Female  
Output Connectors: SMA Female

**Environmental Specifications**

**Temperature**  
Operating Range: -55 to +125 deg C  
Storage Range: -55 to +100 deg C

**Features:**

- 2-Way Power Divider
- Wilkinson Design
- 698 MHz to 2.7 GHz Frequency Range
- Max Power 10W (CW)
- Isolation > 20 dB

**Applications:**

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

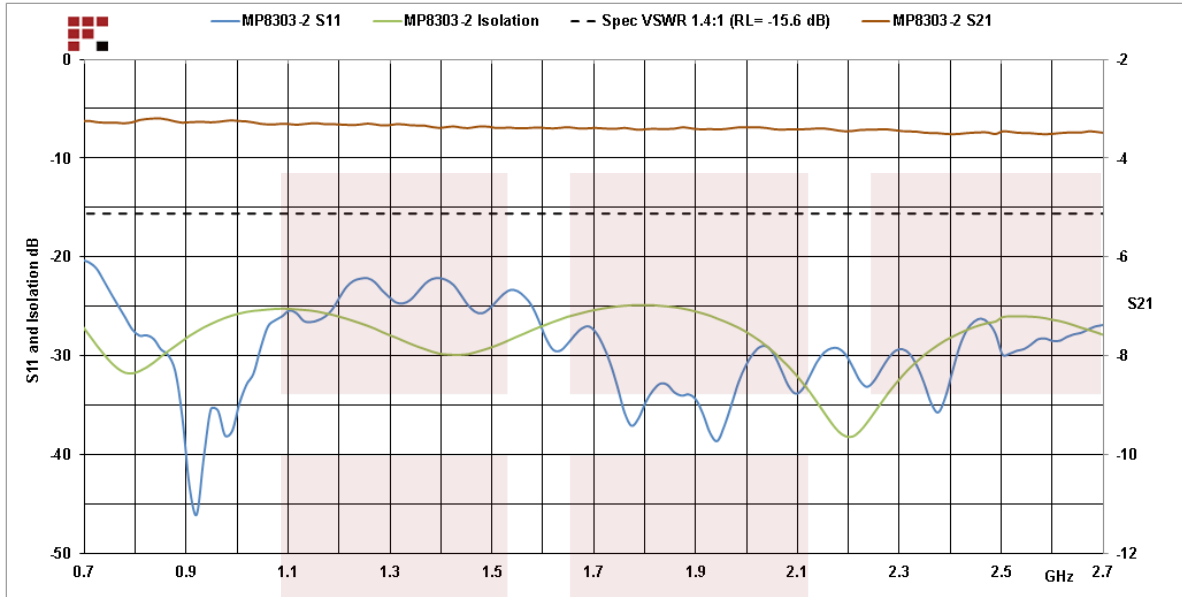
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**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

**Typical Performance Data**

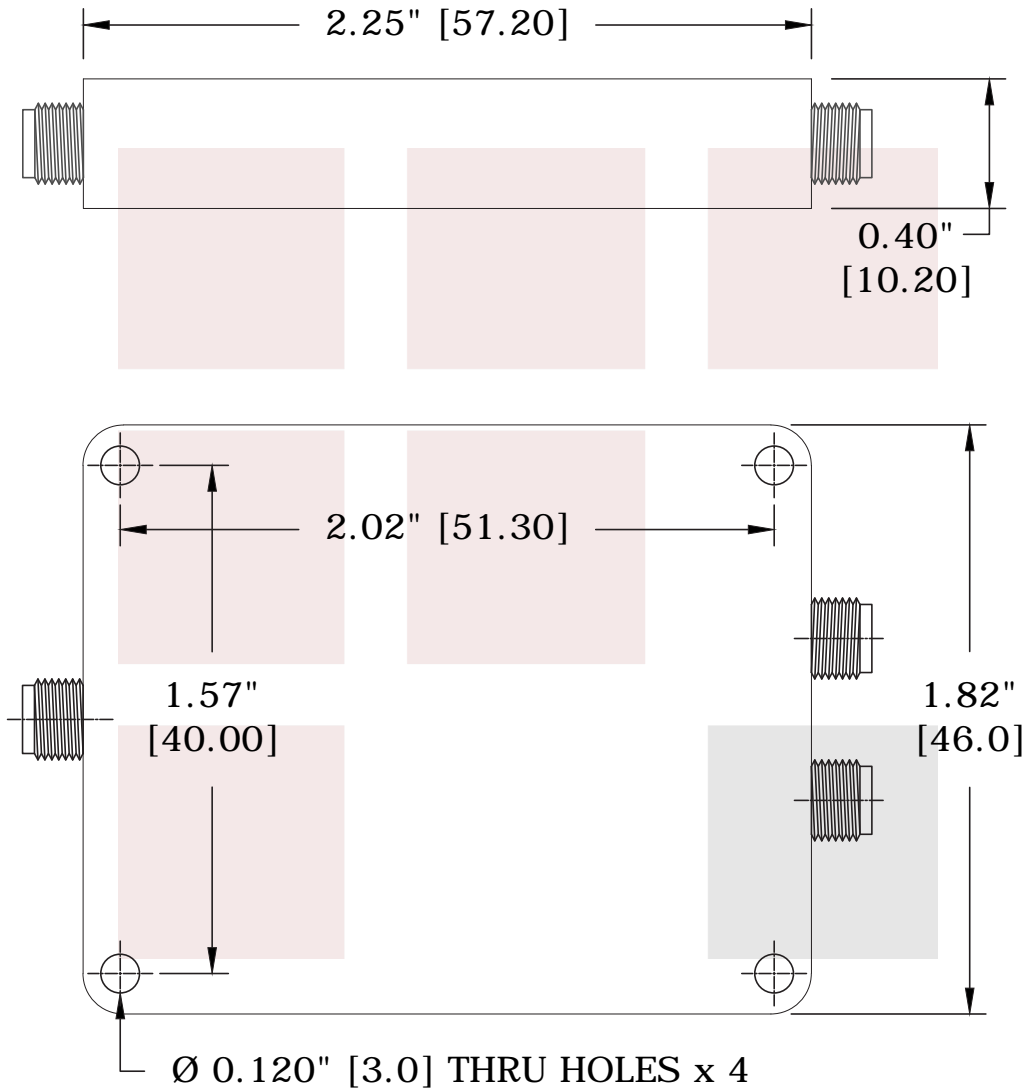


2 Way Power Divider SMA Interface from 698 MHz to 2.7 GHz Rated at 10 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2 Way Power Divider SMA Interface from 698 MHz to 2.7 GHz Rated at 10 Watts MP8303-2](#)

URL: <https://www.fairviewmicrowave.com/2-way-power-divider-sma-2.7-ghz-10-watts-mp8303-2-p.aspx>

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TITLE 2 Way Power Divider SMA Interface from 698 MHz to 2.7 GHz Rated at 10 Watts		DWG NO MP8303-2		CAGE CODE 3FKR5	
CAD FILE	011415	SHEET	SCALE	N/A	SIZE A 5568