

8 Way Power Divider SMA Connectors From 2 GHz to 8 GHz Rated at 30 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 MP0208-8 is an 8 way reactive power divider that operates from 2 to 8 GHz and can handle up to 30 Watts (CW). This SMA power divider offers 17 dB min isolation and 1.65:1 max VSWR. The package interface uses SMA inputs on all of the ports.

Electrical Specifications

Design: Reactive
Number of Output Ports: 8

Description	Min	Typ	Max	Units
Frequency Range	2		8	GHz
Impedance		50		Ohms
Input VSWR			1.65:1	
Output VSWR			1.35:1	
Insertion Loss			11	dB
Isolation	17			dB
Amplitude Balance			±0.7	dB
Phase Balance			±7	Degrees
Input Power (CW)			30	Watts

Electrical Specification Notes:
Values at +25°C, sea level.
Insertion loss includes 9dB theoretical loss.

Mechanical Specifications

Size	
Length	4.26 in [108.2 mm]
Width	2.49 in [63.25 mm]
Height	0.4 in [10.16 mm]
Weight	0.3674 lbs [166.65 g]
Housing Material and Plating	Aluminum, Gray
Configuration	
Input Connector	SMA Female
Output Connectors	SMA Female

Environmental Specifications

Temperature	
Operating Range	-55 to +85 deg C
Storage Range	-55 to +100 deg C



Features:

- 8-Way Power Divider
- Reactive Design
- 2 GHz to 8 GHz Frequency Range
- Max Power 30W (CW)
- Isolation > 17 dB

Applications:

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

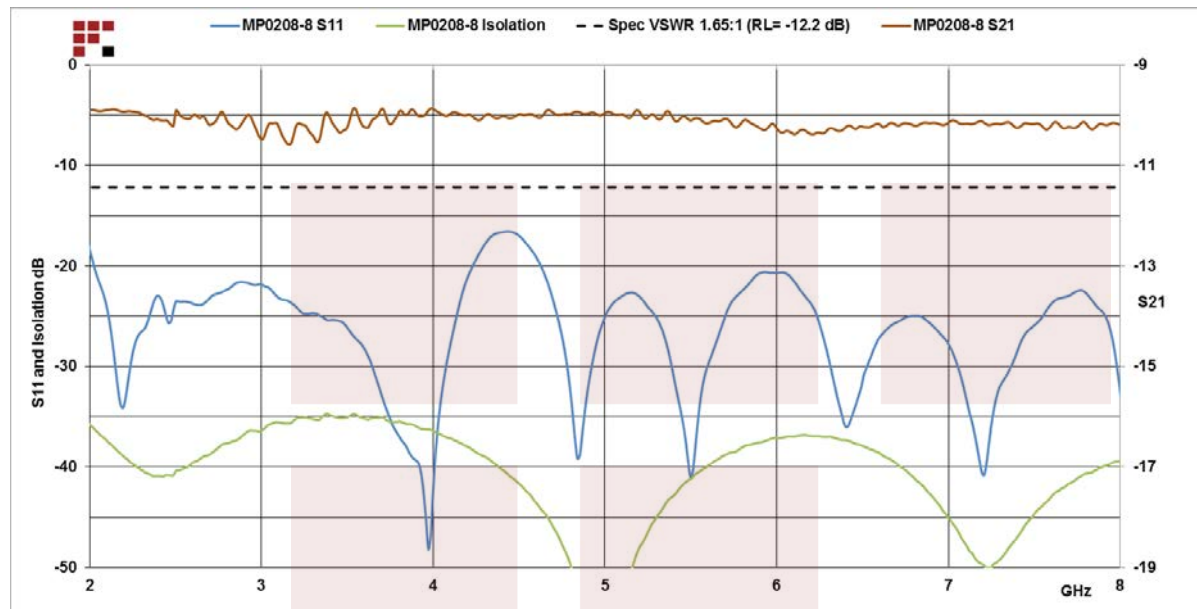
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Typical Performance Data

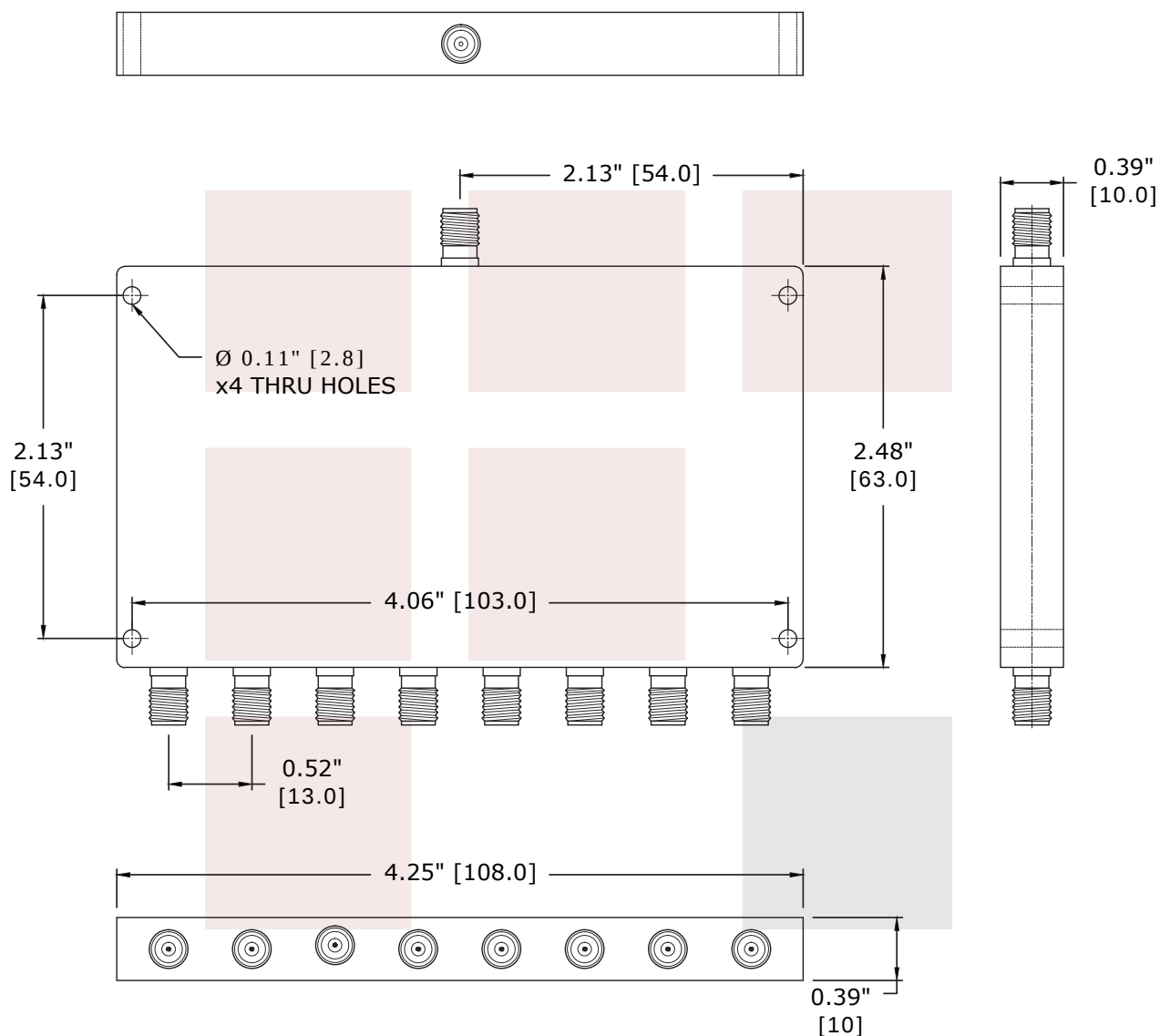


8 Way Power Divider SMA Connectors From 2 GHz to 8 GHz Rated at 30 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [8 Way Power Divider SMA Connectors From 2 GHz to 8 GHz Rated at 30 Watts MP0208-8](#)

URL: <https://www.fairviewmicrowave.com/8-way-power-divider-sma-8-ghz-30-watts-mp0208-8-p.aspx>

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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
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DWG NO	MP0208-8		CAGE CODE		3FKR5
CAD FILE	011415	SHEET	SCALE	N/A	SIZE A 5568

Mouser Electronics

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