

## 2 Way Power Divider 2.92mm Connectors To 40 GHz 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 MPR40-2 is a 2 way resistive power divider that operates from DC to 40 GHz can handle up to 1 Watt (CW) with 10 dB max insertion loss. The package interface uses 2.92mm female connectors and is REACH and RoHS compliant.

### Electrical Specifications

Description	Min	Typ	Max	Units
Design			Resistive	
Number of Output Ports			2	
Frequency Range	DC		40	GHz
Impedance		50		Ohms
Input VSWR			2.2:1	
Insertion Loss			10	dB
Amplitude Balance			0.5	dB
Phase Balance			2.5	Degrees
Input Power (CW)			1	Watt
Input Power (Peak) 5 $\mu$ s pulse, 0.05% duty cycle			1	kWatts

### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Freq. Range	DC-18	18-40				GHz
In VSWR, Max	1.35:1	2.2:1				

Electrical Specification Notes:  
Insertion loss includes splitting loss.

### Mechanical Specifications

<b>Size</b>	
Length	0.58 in [14.73 mm]
Width	0.58 in [14.73 mm]
Height	0.35 in [8.89 mm]
Weight	0.041 lbs [18.6 g]

### Configuration

Package Type	Connectorized
Input Connector	2.92mm Female
Output Connectors	2.92mm Female



### Features:

- 2-Way Power Divider
- Resistive Design
- DC to 40 GHz Frequency Range
- Max Power 1 Watt (CW)
- Insertion Loss < 10 dB

### Applications:

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

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**Environmental Specifications**

**Temperature**

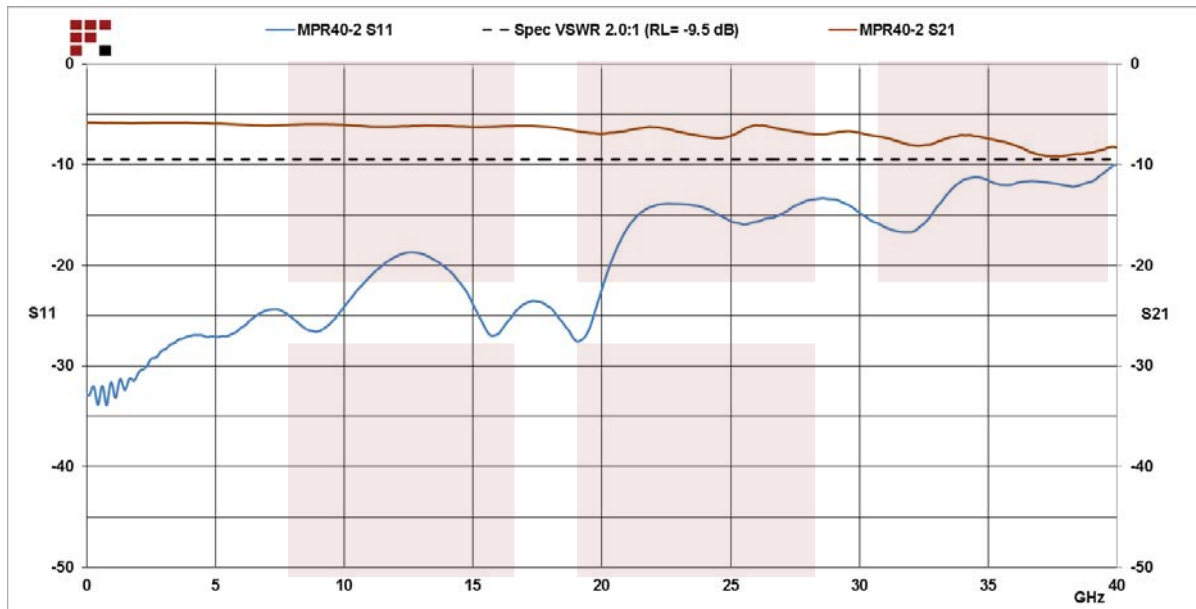
Operating Range -55 to +85 deg C

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

**Plotted and Other Data**

Notes:

**Typical Performance Data**

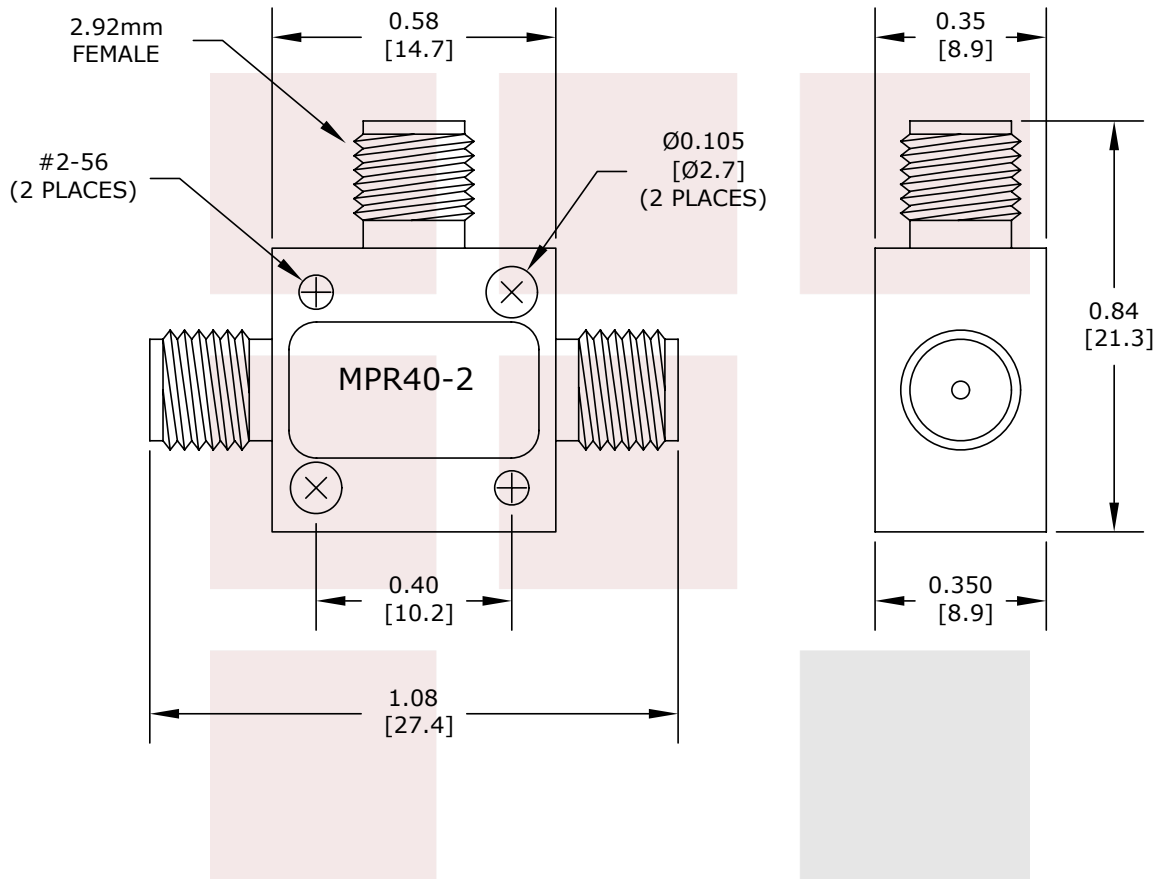


2 Way Power Divider 2.92mm Connectors To 40 GHz Rated at 1 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2 Way Power Divider 2.92mm Connectors To 40 GHz Rated at 1 Watts MPR40-2](#)

URL: <https://www.fairviewmicrowave.com/2-way-power-divider-2.92mm-resistive-40-ghz-1-watts-mpr40-2-p.aspx>

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STANDARD TOLERANCES	
.XX	±0.01
.XXX	±0.003

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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TITLE 2 Way Power Divider 2.92mm Connectors To 40 GHz Rated at 1 Watts		DWG NO <b>MPR40-2</b>		CAGE CODE <b>3FKR5</b>	
CAD FILE	041316	SHEET	SCALE	N/A	SIZE A 3045