

**2 Way Power Divider 2.92mm Connectors Resistive
 From DC 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 MPR40M-2 is a 2 way resistive power divider that operates from DC to 40 GHz can handle up to 1 Watt (CW) with 9 dB max insertion loss. The package interface uses 2.92mm connectors and is REACH and RoHS compliant.



Features:

- 2-Way Power Divider
- Resistive Design
- DC to 40 GHz Frequency Range
- Max Power 1 Watt (CW)
- Insertion Loss < 9 dB

Applications:

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

Electrical Specifications

Design	Resistive			
Number of Output Ports	2			
Description	Min	Typ	Max	Units
Frequency Range	DC		40	GHz
Impedance		50		Ohms
Input VSWR			1.9:1	
Insertion Loss			9	dB
Input Power (CW)			1	Watts
Input Power (Peak) 5µs pulse, 0.05% duty cycle			1	KWatts

Electrical Specification Notes:
 Insertion loss includes splitting loss.

Mechanical Specifications

Size	
Length	0.58 in [14.73 mm]
Width	0.58 in [14.73 mm]
Height	0.35 in [8.89 mm]
Weight	0.04012 lbs [18.2 g]

Configuration

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

Environmental Specifications

Temperature

Operating Range	-55 to +125 deg C
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Compliance Certifications (visit www.FairviewMicrowave.com for current document)

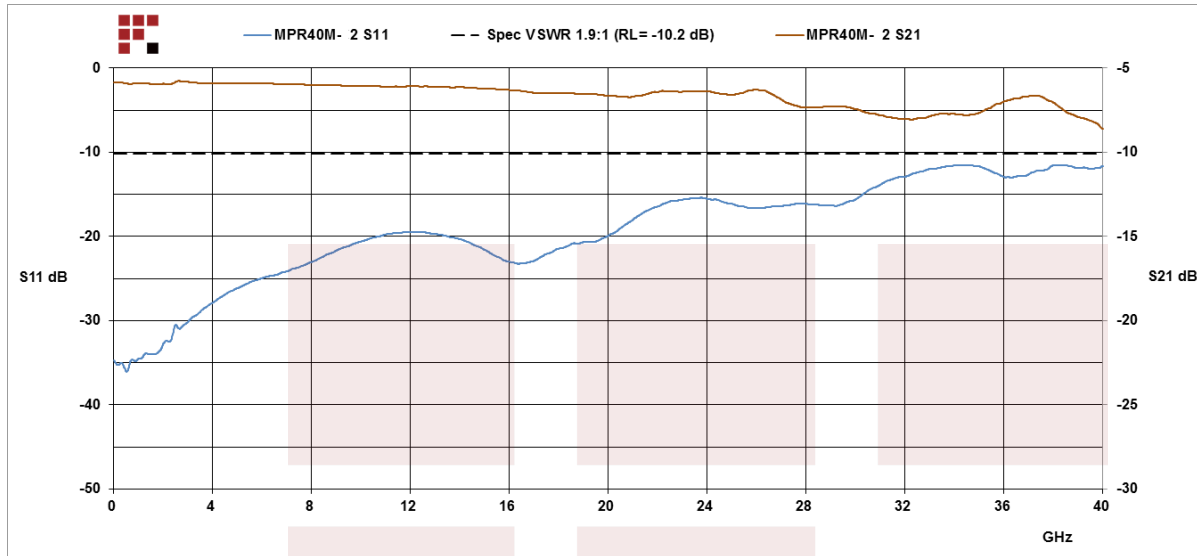
RoHS Compliant	Yes
REACH Compliant	12/17/2015

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Plotted and Other Data

Notes:

Typical Performance Data

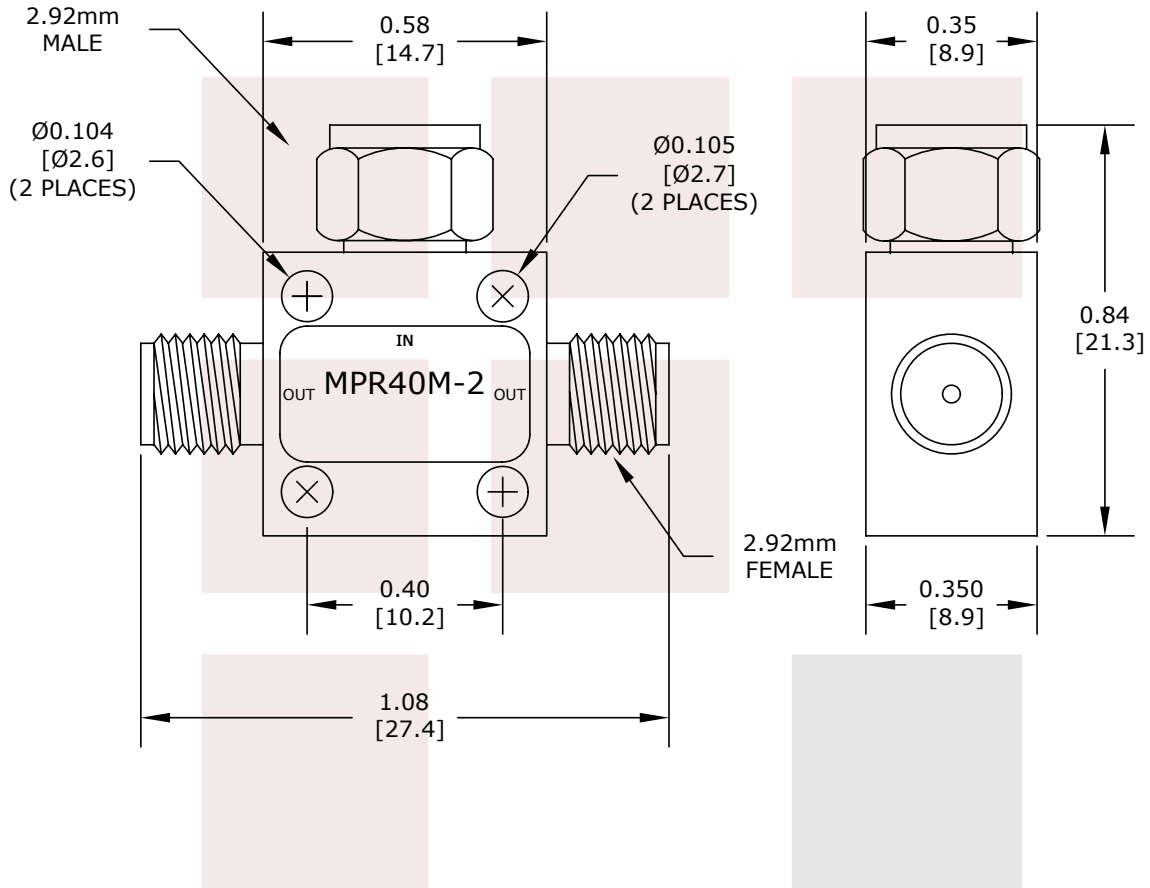


2 Way Power Divider 2.92mm Connectors Resistive From DC to 40 GHz Rated at 1 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2 Way Power Divider 2.92mm Connectors Resistive From DC to 40 GHz Rated at 1 Watts MPR40M-2](http://www.fairviewmicrowave.com/2-way-power-divider-2.92mm-resistive-40-ghz-1-watts-mpr40m-2)

URL: <http://www.fairviewmicrowave.com/2-way-power-divider-2.92mm-resistive-40-ghz-1-watts-mpr40m-2-p.aspx>

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STANDARD TOLERANCES	
.XX	±0.01
.XXX	±0.003

*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 2.92mm Connectors Resistive From DC to 40 GHz Rated at 1 Watts		DWG NO MPR40M-2		CAGE CODE 3FKR5	
CAD FILE	041316	SHEET	SCALE	N/A	SIZE A 3045