

2 Way Power Divider N Connectors Resistive From DC to 18 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 MPR18N-2 is a 2 way resistive power divider that operates from DC to 18 GHz can handle up to 1 Watt (CW) with 7.5 dB max insertion loss. The package interface uses N connectors and is REACH and RoHS compliant.

Electrical Specifications

Design	Resistive			
Number of Output Ports	2			
Description	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
Input VSWR			1.35:1	
Insertion Loss			7.5	dB
Amplitude Balance			0.5	dB
Phase Balance			±2	Degrees
Input Power (CW)			1	Watts
Input Power (Peak) 5µs pulse, 0.05% duty cycle			1	KWatts

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 10	10 to 18				GHz
Input VSWR, Max	1.25:1	1.35:1				
Insertion Loss, Max	7.2	7.5				dB

Electrical Specification Notes:
Insertion loss includes splitting loss.

Mechanical Specifications

Size	
Length	2.64 in [67.06 mm]
Width	1.78 in [45.21 mm]
Height	0.66 in [16.76 mm]
Weight	0.29 lbs [131.54 g]

Configuration

Package Type	Connectorized
Input Connector	N Male



Features:

- 2-Way Power Divider
- Resistive Design
- DC to 18 GHz Frequency Range
- Max Power 1 Watt (CW)
- Insertion Loss < 7.5 dB

Applications:

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

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Output Connectors

N Female

Environmental Specifications

Temperature

Operating Range

-55 to +125 deg C

Compliance Certifications (visit www.FairviewMicrowave.com for current document)

RoHS Compliant

Yes

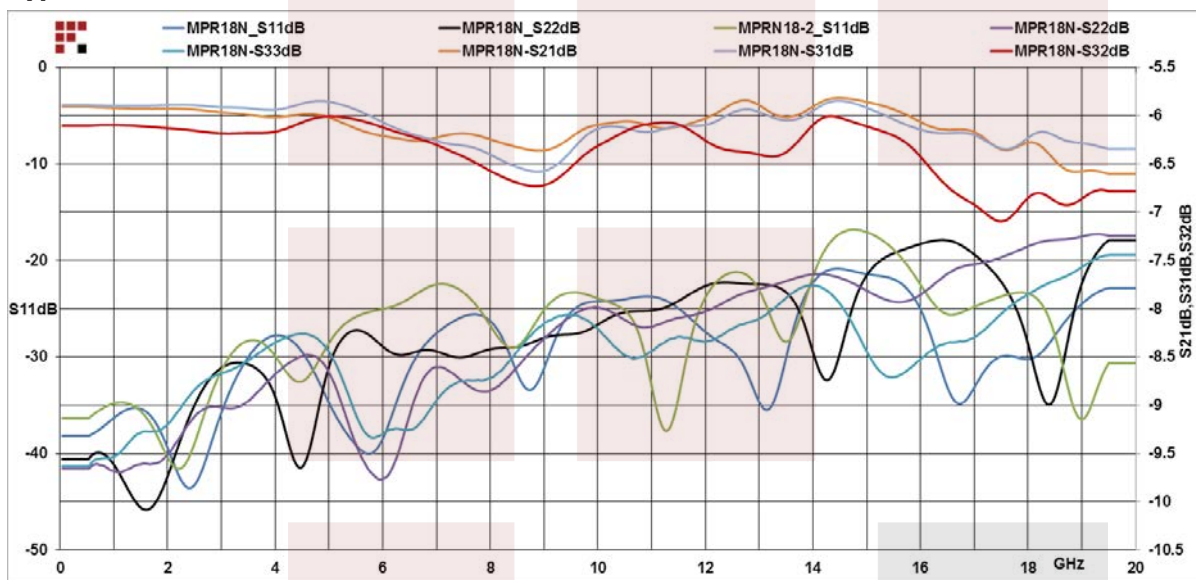
REACH Compliant

12/17/2015

Plotted and Other Data

Notes:

Typical Performance Data

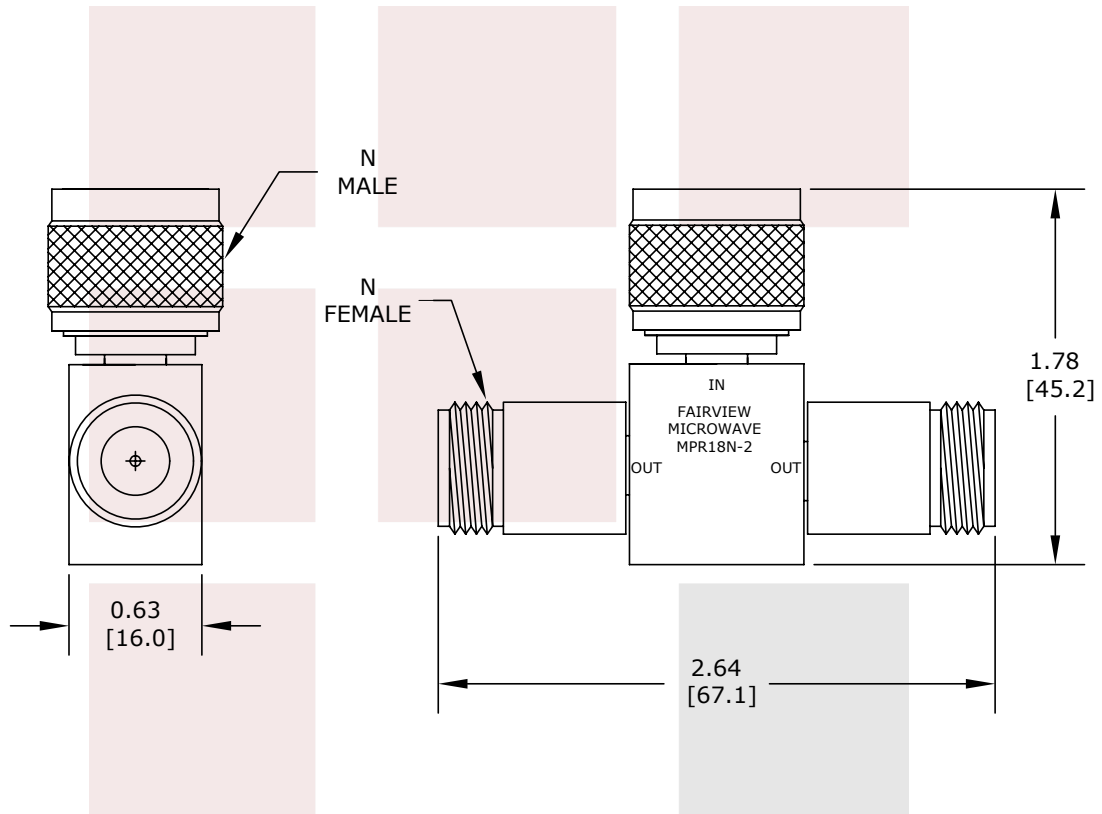


2 Way Power Divider N Connectors Resistive From DC to 18 GHz Rated at 1 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2 Way Power Divider N Connectors Resistive From DC to 18 GHz Rated at 1 Watts MPR18N-2](http://www.fairviewmicrowave.com/2-way-power-divider-n-resistive-18-ghz-1-watts-mpr18n-2-p.aspx)

URL: <http://www.fairviewmicrowave.com/2-way-power-divider-n-resistive-18-ghz-1-watts-mpr18n-2-p.aspx>

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STANDARD TOLERANCES	
.X	±0.2
.XX	±0.1
.XXX	±0.05

*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 N Connectors Resistive From DC to 18 GHz Rated at 1 Watts		DWG NO MPR18N-2		CAGE CODE 3FKR5	
CAD FILE	051316	SHEET	SCALE	N/A	SIZE A 3045