

## 2 Way Power Divider N Connectors From 10 GHz to 14 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 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 MP8794 is a 2 way reactive power divider that operates from 10 to 14 GHz and can handle up to 30 Watts (CW) with 4.25 dB max insertion loss and 12 dB min isolation. The package interface uses N female connectors.

### Electrical Specifications

Design	Reactive			
Number of Output Ports	2			
Description	Min	Typ	Max	Units
Frequency Range	10		14	GHz
Impedance		50		Ohms
Input VSWR			1.65:1	
Output VSWR			1.65:1	
Insertion Loss			4.25	dB
Isolation	12			dB
Amplitude Balance			0.4	dB
Phase Balance			±12	Degrees
Input Power (CW)			30	Watts

Electrical Specification Notes:  
Max input power rated for load VSWR better than 1.20:1.  
Insertion loss includes splitting loss.

### Mechanical Specifications

<b>Size</b>	
Length	2 in [50.8 mm]
Width	1 in [25.4 mm]
Height	1 in [25.4 mm]
Weight	0.324 lbs [146.96 g]

### Configuration

Package Type	Connectorized
Input Connector	N Female
Input Connector Specification	MIL-C-39012
Output Connectors	N Female
Output Connectors Specification	MIL-C-39012

**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

### Plotted and Other Data

Notes:



### Features:

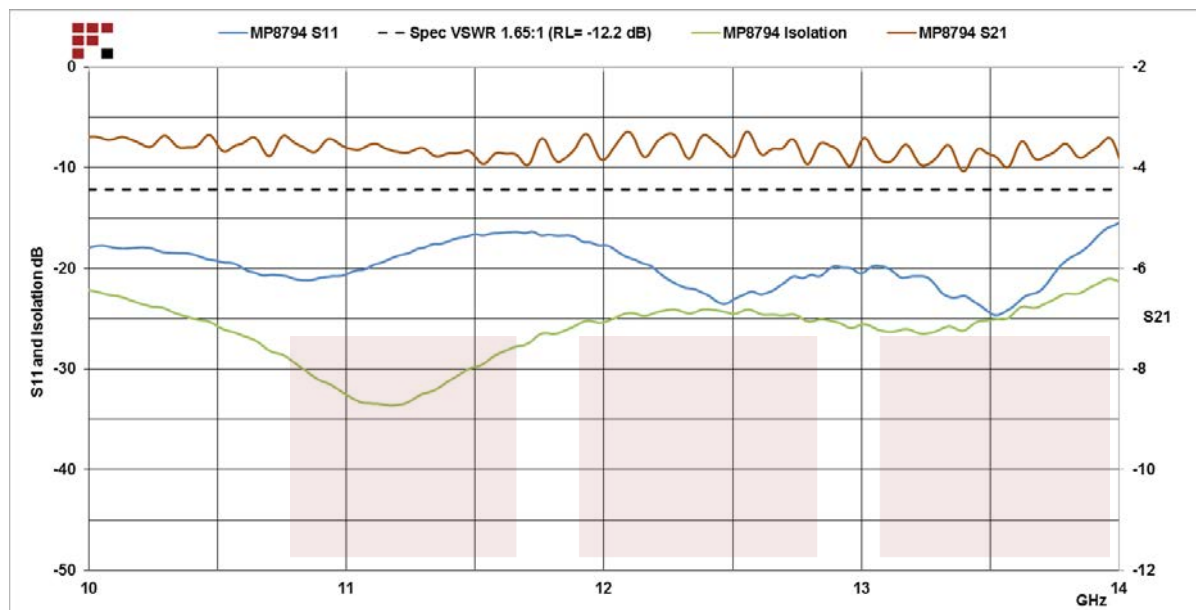
- 2-Way Power Divider
- Reactive Design
- 10 to 14 GHz Frequency Range
- Max Power 30 Watts (CW)
- Insertion Loss < 4.25 dB
- Isolation > 12 dB

### Applications:

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

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### Typical Performance Data

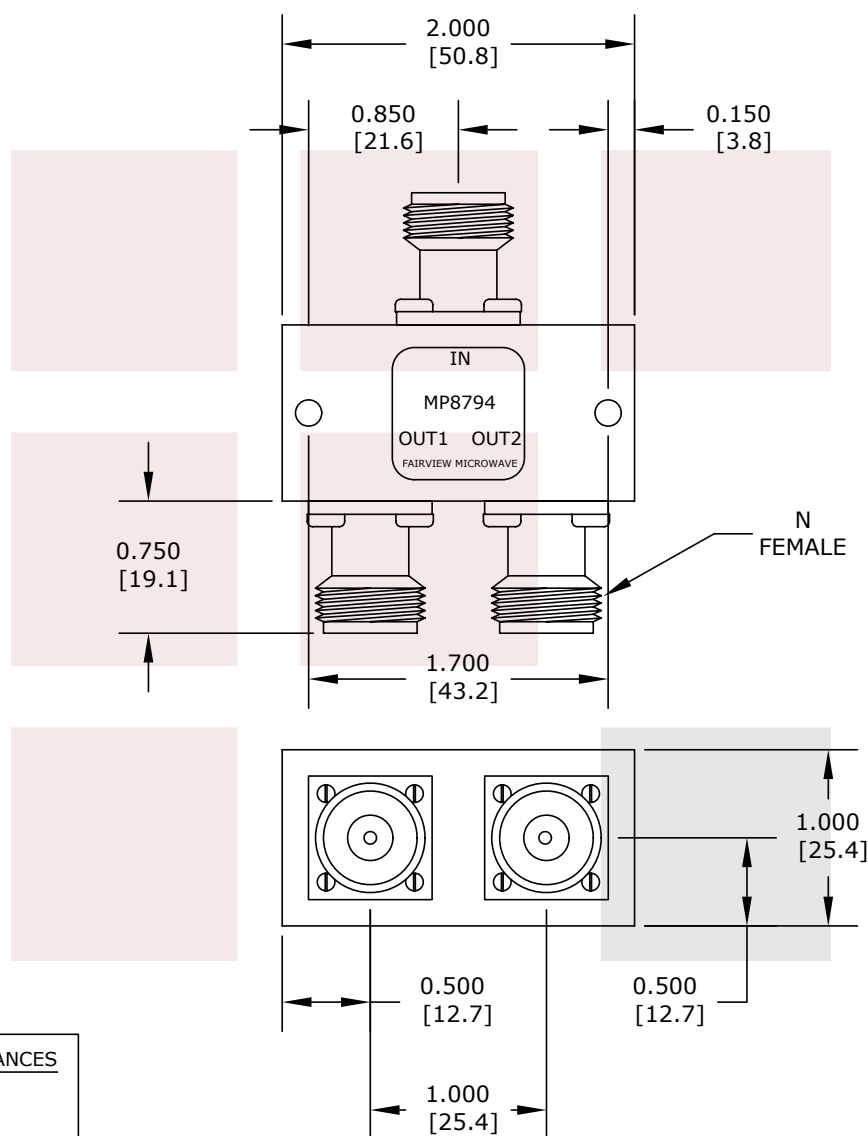


2 Way Power Divider N Connectors From 10 GHz to 14 GHz Rated at 30 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2 Way Power Divider N Connectors From 10 GHz to 14 GHz Rated at 30 Watts MP8794](https://www.fairviewmicrowave.com/2-way-power-divider-n-14-ghz-30-watts-mp8794-p.aspx)

URL: <https://www.fairviewmicrowave.com/2-way-power-divider-n-14-ghz-30-watts-mp8794-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

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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

MP8794

### CAGE CODE

3FKR5

### CAD FILE

041316

### SHEET

### SCALE

N/A

### SIZE

A

3045