

**2 Way Power Divider 1.85mm Connectors From 8 GHz to 60 GHz Rated at 10 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 MP0860-2 is a 2 way reactive power divider that operates from 8 to 60 GHz can handle up to 10 Watts (CW) with 4 dB max insertion loss and 10 dB min isolation. The package interface uses 1.85mm female connectors and is REACH and RoHS compliant.

**Electrical Specifications**

Design: Reactive  
 Number of Output Ports: 2

Description	Min	Typ	Max	Units
Frequency Range	8		60	GHz
Impedance		50		Ohms
Input VSWR			2.5:1	
Insertion Loss			4	dB
Isolation	10			dB
Amplitude Balance			1	dB
Phase Balance			15	Degrees
Input Power (CW)			10	Watts

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

**Mechanical Specifications**

**Size**  
 Length: 1 in [25.4 mm]  
 Width: 0.6 in [15.24 mm]  
 Height: 0.38 in [9.65 mm]  
 Weight: 0.04057 lbs [18.4 g]

**Configuration**  
 Package Type: Connectorized  
 Input Connector: 1.85mm Female  
 Output Connectors: 1.85mm Female

**Environmental Specifications**

**Temperature**  
 Operating Range: -25 to +80 deg C  
 Storage Range: -55 to +150 deg C  
 Humidity: MIL-STD-202, Method 106 (90% relative humidity, +65°C)



**Features:**

- 2-Way Power Divider
- Reactive Design
- 8 to 60 GHz Frequency Range
- Max Power 10 Watts (CW)
- Insertion Loss < 4 dB
- Isolation > 10 dB

**Applications:**

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

Fairview Microwave  
 1130 Junction Dr. #100  
 Allen, TX 75013  
 Tel: 1-800-715-4396 / (972) 649-6678  
 Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

Shock	MIL-STD-202, Method 213/I (100 G's, 6 ms)
Vibration	MIL-STD-202, Method 204/D (10 to 2,000 Hz, 20 G's, 12 hours)
Altitude	MIL-STD-202, Method 105/E (150,000 feet)
Thermal Shock	MIL-STD-202, Method 107/B (-55°C to +85°C)

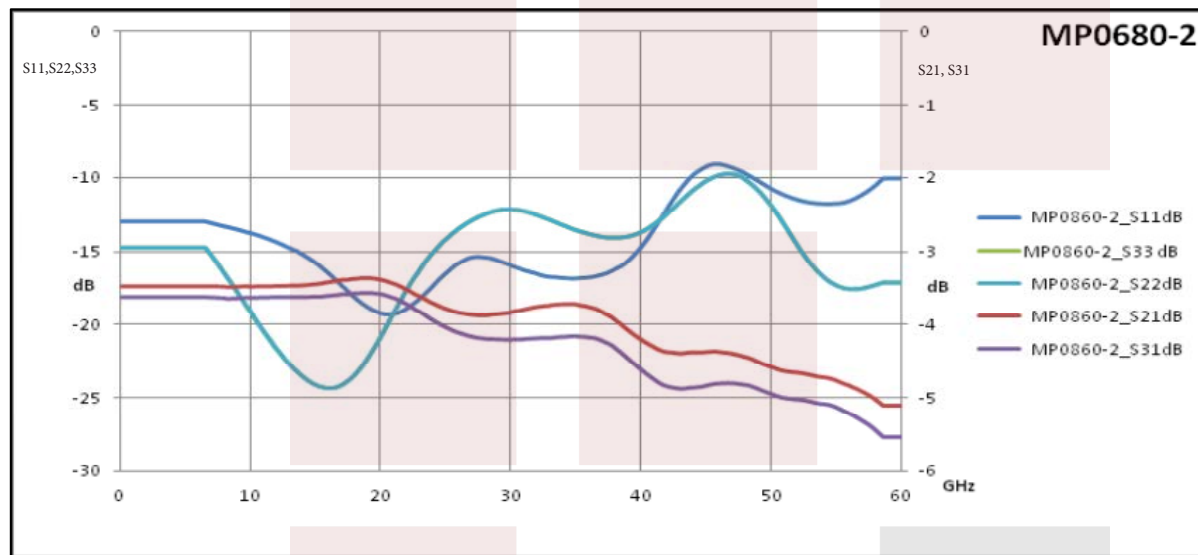
**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

RoHS Compliant	Yes
REACH Compliant	12/17/2015

**Plotted and Other Data**

Notes:

**Typical Performance Data**

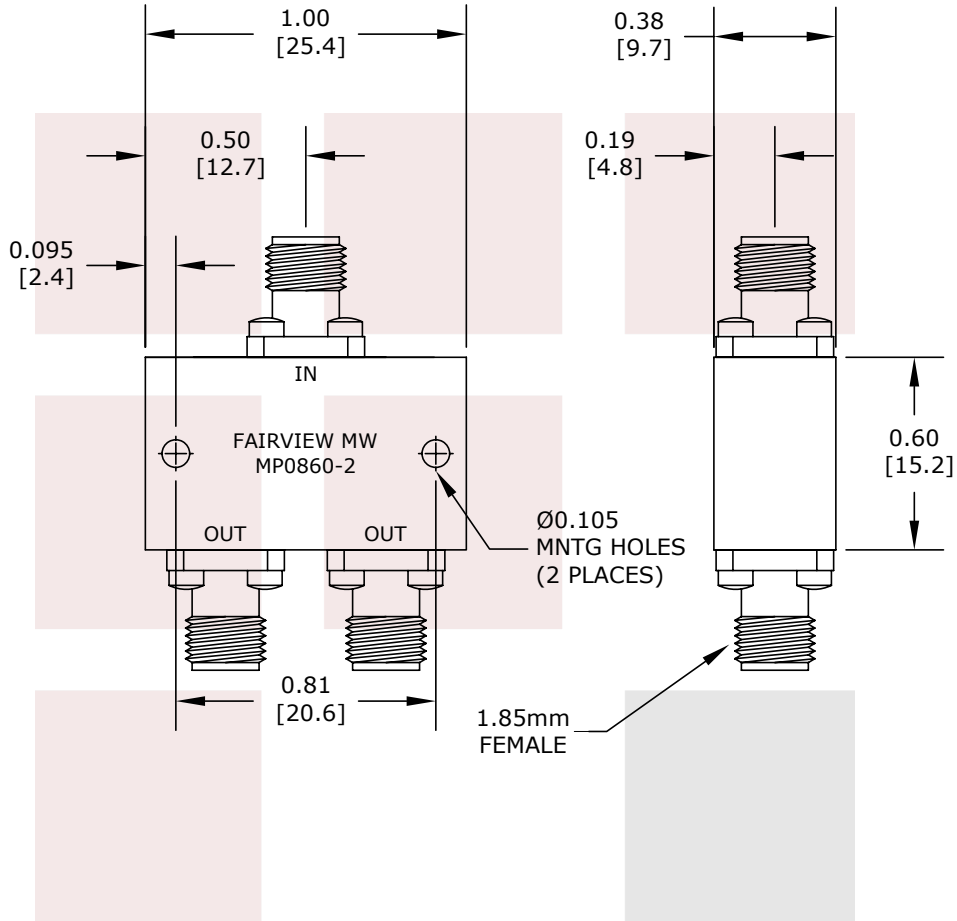


2 Way Power Divider 1.85mm Connectors From 8 GHz to 60 GHz Rated at 10 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2 Way Power Divider 1.85mm Connectors From 8 GHz to 60 GHz Rated at 10 Watts MP0860-2](http://www.fairviewmicrowave.com/2-way-power-divider-1.85mm-resistive-60-ghz-10-watts-mp0860-2-p.aspx)

URL: <http://www.fairviewmicrowave.com/2-way-power-divider-1.85mm-resistive-60-ghz-10-watts-mp0860-2-p.aspx>

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STANDARD TOLERANCES	
DECIMAL	
.XX	±0.02
.XXX	±0.010

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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TITLE 2 Way Power Divider 1.85mm Connectors From 8 GHz to 60 GHz Rated at 10 Watts		DWG NO MP0860-2		CAGE CODE 3FKR5	
CAD FILE	051216	SHEET	SCALE	N/A	SIZE A 3045