

## WR-51 2 Way Waveguide Power Divider From 17.7 GHz to 21.2 GHz UG Square Cover Flange, Aluminum

Fairview Microwave carries a wide selection of waveguide 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. The FMW51DV001 is a 2-way waveguide power divider that operates from 17.7 to 21.2 GHz and can handle up to 10 Watts (CW) with 0.45 dB max insertion loss and 16 dB min isolation. The package uses WR-51 waveguide interface.

### Electrical Specifications

Number of Output Ports		2		
Description	Min	Typ	Max	Units
Frequency Range	17.7		21.2	GHz
Input VSWR			1.3:1	
Output VSWR			1.35:1	
Insertion Loss			0.45	dB
Isolation	16			dB
Amplitude Balance			0.3	dB
Phase Balance			4	Degrees
Input Power (CW)			10	Watts
Input Power (Peak)			10	kWatts

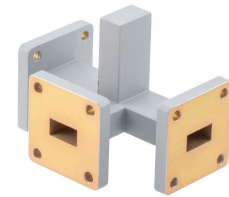
### Mechanical Specifications

Size	
Length	1.84 in [46.74 mm]
Width	2.76 in [70.1 mm]
Height	2 in [50.8 mm]
Weight	0.05 lbs [22.68 g]
Housing Material and Plating	Aluminum, Gray
Configuration	
Input Waveguide Size	WR-51
Input Flange Type	UG Cover
Output Waveguide Size	WR-51
Output Flange Type	UG Cover

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

### Plotted and Other Data

Notes:



### Features:

- 2-Way Waveguide Power Divider
- WR-51 Waveguide Interface
- 17.7 to 21.2 GHz Frequency Range
- Max Power 10 Watts (CW)
- Insertion Loss 0.45 dB max
- Isolation 16 dB min

### Applications:

- Test Benches
- Radar/Satellite
- Microwave Radio
- Attenuation Measurements
- Power Measurements

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WR-51 2 Way Waveguide Power Divider From 17.7 GHz to 21.2 GHz UG Square Cover Flange, Aluminum 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: [WR-51 2 Way Waveguide Power Divider From 17.7 GHz to 21.2 GHz UG Square Cover Flange, Aluminum FMW51DV001](#)

URL: <https://www.fairviewmicrowave.com/undefined-url-for-pn-fmw51dv001-fmw51dv001-p.aspx>

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