

WR-75 2 Way Waveguide Power Divider From 13.75 GHz to 14.5 GHz UG Square Cover Flange, Aluminum



FMW75DV001

Features

- 2-Way Waveguide Power Divider
- WR-75 Waveguide Interface
- 13.75 to 14.5 GHz Frequency Range
- Max Power 20 Watts (CW)
- Insertion Loss 0.3 dB max
- Isolation 17 dB min

Applications

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

Description

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 FMW75DV001 is a 2-way waveguide power divider that operates from 13.75 to 14.5 GHz and can handle up to 20 Watts (CW) with 0.3 dB max insertion loss and 17 dB min isolation. The package uses WR-75 waveguide interface.

Electrical Specifications

Number of Output Ports 2

Description	Min	Typ	Max	Units
Frequency Range	13.75		14.5	GHz
Input VSWR			1.25:1	
Output VSWR			1.25:1	
Insertion Loss			0.3	dB
Isolation	17			dB
Amplitude Balance			± 0.2	dB
Phase Balance			± 2	Degrees
Input Power (CW)			20	Watts
Input Power (Peak)			20	kWatts

Mechanical Specifications

Size

Length	2.76 in [70.1 mm]
Width	2.13 in [54.1 mm]
Height	2.32 in [58.93 mm]
Weight	1.5 lbs [680.39 g]
Finish	Gray
Housing Material and Plating	Aluminum, Chromate Conversion

Configuration

Input Waveguide Size	WR-75
Input Flange Designation	UG
Input Flange Type	Square Cover

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Input Body Material	Aluminum, Chromate Conversion
Output Waveguide Size	WR-75
Output Flange Designation	UG
Output Flange Type	Square Cover
Output Body Material	Aluminum, Chromate Conversion

Environmental Specifications

Temperature	
Operating Range	-40 to +70 deg C
Storage Range	-55 to +85 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data

WR-75 2 Way Waveguide Power Divider From 13.75 GHz to 14.5 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-75 2 Way Waveguide Power Divider From 13.75 GHz to 14.5 GHz UG Square Cover Flange, Aluminum FMW75DV001](#)

URL: <https://www.fairviewmicrowave.com/wr-75-2-way-waveguide-power-divider-from-13.75-ghz-to-14.5-ghz-ug-square-cover-flange-aluminum-fmw75dv001-p.aspx>

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FMW75DV001 CAD Drawing

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