

2 Way WR-15 Waveguide Power Divider UG-185/U Flange From 55 GHz to 62 GHz, Copper



PEW15DV002

Features

- 2-Way Waveguide Power Divider
- WR-15 Waveguide Interface
- 55 to 62 GHz Frequency Range
- Max Power 2 Watts (CW)
- Insertion Loss 0.6 dB max
- Isolation 15 dB min

Applications

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

Description

Pasternack 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 PEW15DV002 is a 2-way waveguide power divider that operates from 55 to 62 GHz and can handle up to 2 Watts (CW) with 0.6 dB max insertion loss and 15 dB min isolation. The package uses WR-15 waveguide interface.

Electrical Specifications

Number of Output Ports

2

Description	Min	Typ	Max	Units
Frequency Range	55		62	GHz
Input VSWR			1.4:1	
Output VSWR			1.5:1	
Insertion Loss			0.6	dB
Isolation	15			dB
Amplitude Balance			± 0.5	dB
Phase Balance			± 5	Degrees
Input Power (CW)			2	Watts
Input Power (Peak)			250	Watts

Mechanical Specifications

Size

Length	1.18 in [29.97 mm]
Width	0.97 in [24.64 mm]
Height	0.83 in [21.08 mm]
Weight	0.135 lbs [61.23 g]
Finish	Gold
Housing Material and Plating	Copper, Gold

Configuration

Input Waveguide Size	WR-15
Input Flange Designation	UG-185/U
Input Body Material	Copper, Gold

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Output Waveguide Size	WR-15
Output Flange Designation	UG-185/U
Output Body Material	Copper, Gold

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

2 Way WR-15 Waveguide Power Divider UG-185/U Flange From 55 GHz to 62 GHz, Copper from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2 Way WR-15 Waveguide Power Divider UG-185/U Flange From 55 GHz to 62 GHz, Copper PEW15DV002](#)

URL: <https://www.pasternack.com/2-way-wr-15-waveguide-power-divider-ug185-u-flange-from-55-ghz-to-62-ghz-copper-pew15dv001-p.aspx>

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PEW15DV002 CAD Drawing

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