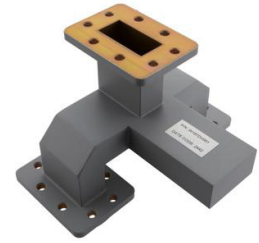


2 Way WR-187 Waveguide Power Divider CPR187F Flange From 5.3 GHz to 5.7 GHz, Aluminum



PEW187DV001

Features

- 2-Way Waveguide Power Divider
- WR-187 Waveguide Interface
- 5.3 to 5.7 GHz Frequency Range
- Max Power 150 Watts (CW)
- Insertion Loss 0.3 dB max
- Isolation 18 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 PEW187DV001 is a 2-way waveguide power divider that operates from 5.3 to 5.7 GHz and can handle up to 150 Watts (CW) with 0.3 dB max insertion loss and 18 dB min isolation. The package uses WR-187 waveguide interface.

Electrical Specifications

Number of Output Ports

2

Description	Min	Typ	Max	Units
Frequency Range	5.3		5.7	GHz
Input VSWR			1.25:1	
Output VSWR			1.3:1	
Insertion Loss			0.3	dB
Isolation	18			dB
Amplitude Balance			± 0.2	dB
Phase Balance			± 2	Degrees
Input Power (CW)			150	Watts
Input Power (Peak)			300	kWatts

Mechanical Specifications

Size

Length	4.72 in [119.89 mm]
Width	8.54 in [216.92 mm]
Height	2.5 in [63.5 mm]
Weight	1.56 lbs [707.6 g]
Finish	Gray
Housing Material and Plating	Aluminum, Chromate Conversion

Configuration

Input Waveguide Size	WR-187
Input Flange Designation	CPR-187F
Input Body Material	Aluminum, Chromate Conversion

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Output Waveguide Size	WR-187
Output Flange Designation	CPR-187F
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

2 Way WR-187 Waveguide Power Divider CPR187F Flange From 5.3 GHz to 5.7 GHz, Aluminum 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-187 Waveguide Power Divider CPR187F Flange From 5.3 GHz to 5.7 GHz, Aluminum PEW187DV001](#)

URL: <https://www.pasternack.com/2-way-wr-187-waveguide-power-divider-cpr187f-flange-from-5.3-ghz-to-5.7-ghz-aluminum-pew187dv001-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PEW187DV001 CAD Drawing
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