

WR-187 Straight Waveguide Section 8 Inch Length, UG Cover and Grooved Flanges from 3.94 GHz to 5.99 GHz



PEW187S001-8

Features

- WR-187 Waveguide Section
- UG Cover and Grooved Flanges
- Frequency Range 3.94 GHz to 5.99 GHz
- 8 Inch Length
- Maximum VSWR 1.05:1

Applications

- Satellite Communications
- Radar Systems
- Test and Laboratory Setups

Description

Pasternack's PEW187S001-8 is a 8 inch WR-187 straight waveguide section that operates from 3.94 GHz to 5.99 GHz. This straight waveguide section offers a maximum 1.05:1 VSWR. The input and output of this straight waveguide section is a UG Cover and UG Grooved Flanges. PEW187S001-8 is part of over 40,000 RF, microwave and millimeter wave components. WR-187 straight waveguide section will ship worldwide the same day it is purchased along with our other RF components.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	3.94		5.99	GHz
VSWR			1.05:1	
Insertion Loss		0.2		dB

Mechanical Specifications

Waveguide Size	WR-187
Waveguide Design	Standard
Section Length	8 in [203.2 mm]

Description	Flange 1	Waveguide	Flange 2
Flange Type	UG Cover		UG Grooved
Flange Designation		WR-187	
Material	Aluminum	Aluminum	Aluminum
Plating	Chromate Conversion	Chromate Conversion	Chromate Conversion
Color	Gray	Gray	Gray

Temperature

Temperature Operating Range	-40 to +70 deg C
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Size

Weight	0.71 lbs [322.05 g]
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

WR-187 Straight Waveguide Section 8 Inch Length, UG Cover and Grooved Flanges from 3.94 GHz to 5.99 GHz 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: [WR-187 Straight Waveguide Section 8 Inch Length, UG Cover and Grooved Flanges from 3.94 GHz to 5.99 GHz PEW187S001-8](#)

URL: <https://www.pasternack.com/wr-187-standard-straight-waveguide-section-ug-pew187s001-8-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.

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