



WR-12 Instrumentation Grade Straight Waveguide Section 3 Inch Length, UG-387/U Round Cover Flange from 60 GHz to 90 GHz

TECHNICAL DATA SHEET

PEW12S010-3

Pasternack's PEW12S010-3 is a 3 inch WR-12 straight waveguide section that operates from 60 GHz to 90 GHz. This straight waveguide section offers a typical 0.3 dB insertion loss and a typical 1.06 VSWR. The input of this straight waveguide section has a UG-387/U Round Cover flange. PEW12S010-3 is part of over 40,000 RF, microwave and millimeter wave components. Our instrumentation grade WR-12 straight waveguide section will ship worldwide the same day it is purchased along with our other RF components.

Features

- 3" Length
- WR-12 Waveguide
- UG-387/U Round Cover Flange
- 60 GHz to 90 GHz Frequency Range
- Comprehensive waveguide offering also includes E-Bends, H-Bends, Waveguide to Coax Adapters, Filters, Terminations, and more.

Applications

- Millimeter Wave
- Transmission Systems
- Test and Laboratory Setups

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	60		90	GHz
VSWR		1.06:1	1.15:1	
Insertion Loss		0.3		dB

Mechanical Specifications

Waveguide Size: WR-12
 Waveguide Design: Instrumentation Grade
 Section Length: 3 in [76.2 mm]

Description	Flange 1	Waveguide	Flange 2
Flange Type	Round Cover		Round Cover
Flange Designation	UG-387/U	WR-12	UG-387/U
Material	Oxygen Free Hard Copper	Oxygen Free Hard Copper	Oxygen Free Hard Copper
Plating	Gold	Gold	Gold
Color	Gold	Gold	Gold

Size

Weight: 0.044 lbs [19.96 g]

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

Notes:

- Values at +25 °C, sea level

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-12 Instrumentation Grade Straight Waveguide Section 3 Inch Length, UG-387/U Round Cover Flange from 60 GHz to 90 GHz PEW12S010-3](#)



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WR-12 Instrumentation Grade Straight Waveguide Section 3 Inch Length, UG-387/U Round Cover Flange from 60 GHz to 90 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.

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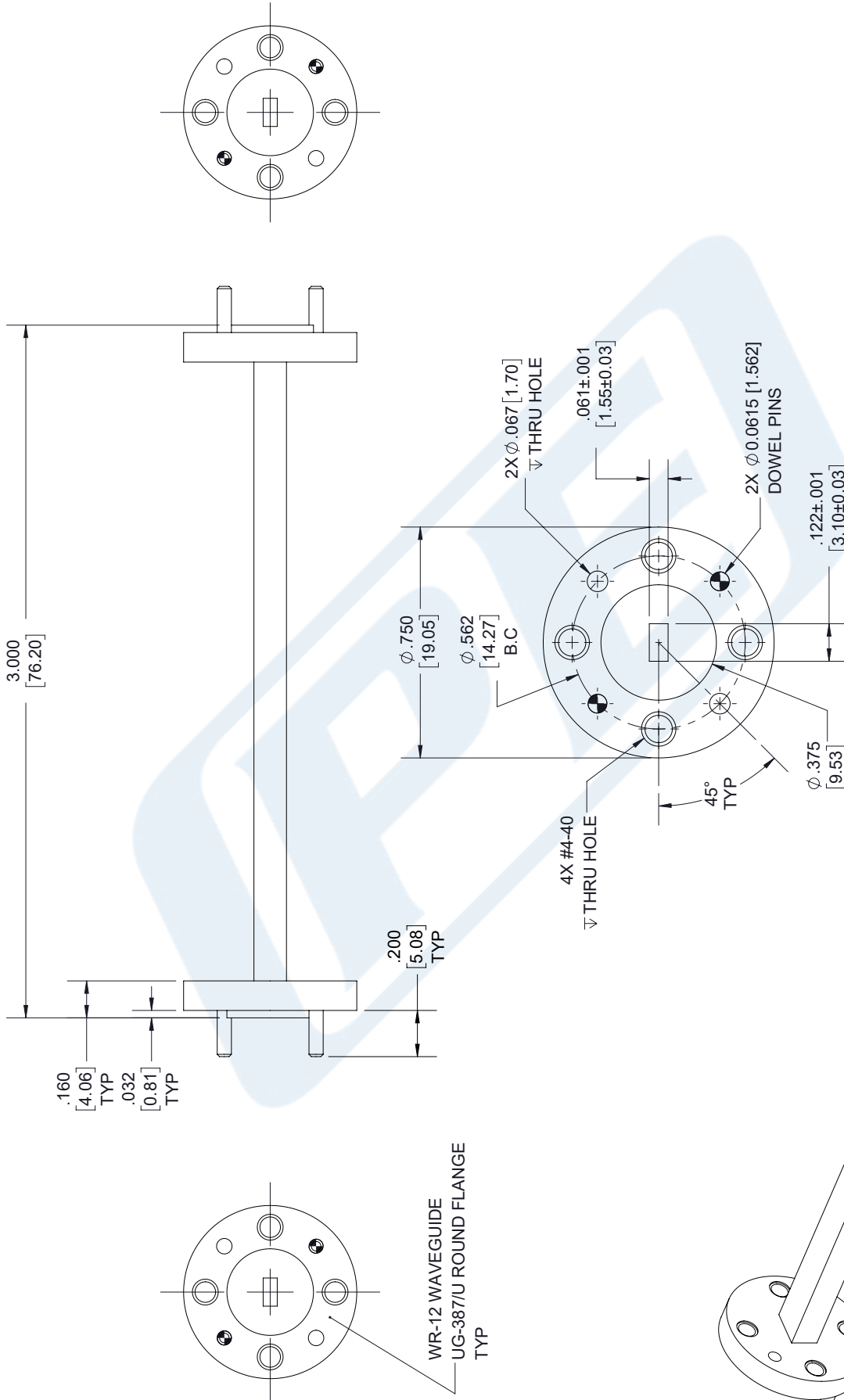
URL: <https://www.pasternack.com/wr-12-instrumentation-grade-straight-waveguide-section-ug387-round-pew12s010-3-p.aspx>

The information contained in 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 reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PEW12S010-3 CAD Drawing

WR-12 Instrumentation Grade Straight Waveguide Section 3 Inch Length, UG-387/U Round Cover Flange from 60 GHz to 90 GHz

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	05/30/19	S. PONG



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<p>PE PASTERNAK an INFINITO brand</p> <p>Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 www.pasternack.com e-mail: sales@pasternack.com</p>		<p>REV A</p> <p>PART NUMBER PEW12S010-3</p>	
CAGE NUMBER	53919	DRAWN BY	K.DANG

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