

WR-12 UG-387/U Round Cover Flange to 1.0mm Female Waveguide to Coax Adapter Operating from 60 GHz to 90 GHz



Waveguide to Coax Adapters Technical Data Sheet

PE-W12CA001

Features

- E Band, 60 to 90 GHz Frequency Range
- WR-12 Waveguide
- UG-387/U Round Cover Flange
- 1.0 mm Female RF Interface

 Comprehensive waveguide offerings also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

Description

The PE-W12CA001 is a waveguide to coaxial adapter operating in the E Band with a 60 to 90 GHz frequency range. This adapter offers a WR-12 waveguide interface size coupled with a precision tolerance UG-387/U Round Cover flange. The PE-W12CA001 is constructed of aluminum and plated in gold to ensure durability and repeatable RF performance. The coaxial connector offered by this adapter uses a 1 mm Female Connector endorsed by the International Electrotechnical Commission (IEC).

Configuration

Waveguide Size Flange RF Connector Impedance Body Geometry WR-12 UG-387/U Round Cover 1.0mm Female 50 Ohms Right Angle

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	60		90	GHz
VSWR			1.67:1	
Insertion Loss		1	1.5	dB
		•		

Mechanical Specifications

Size

 Length
 1.05 in [26.67 mm]

 Width
 0.75 in [19.05 mm]

 Height
 0.905 in [22.99 mm]

 Weight
 0.03 lbs [13.61 g]

RF Connector

Connector Type 1.0mm Female Body Material and Plating Stainless Steel

Waveguide Interface

Waveguide Type WR-12

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-12 UG-387/U Round Cover Flange to 1.0mm Female Waveguide to Coax Adapter Operating from 60 GHz to 90 GHz PE-W12CA001

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

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Flange Type Flange Designation Body Material and Plating Plating Specification Round Cover UG-387/U Aluminum, Gold ASTMB488

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

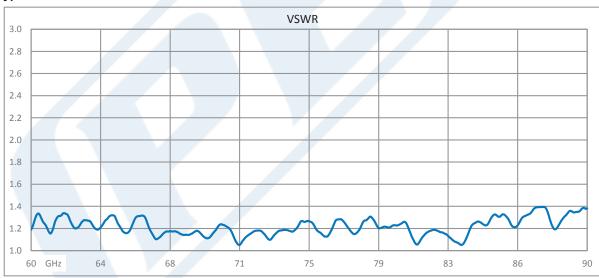
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Values at +25 °C, sea level unless stated otherwise

Typical Performance Data



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WR-12 UG-387/U Round Cover Flange to 1.0mm Female Waveguide to Coax Adapter Operating 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-ug387-round-1.0mm-female-waveguide-coax-adapter-90-ghz-pe-w12ca001-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.

PE-W12CA001 CAD Drawing

WR-12 UG-387/U Round Cover Flange to 1.0mm Female Waveguide to Coax Adapter Operating from 60 GHz to 90 GHz

