PASTERNACK®
THE ENGINEER'S RF SOURCE



WR-10 UG-387/U-Mod Round Cover Flange to 1.0mm Male Waveguide to Coax Adapter Operating From 75 GHz to 110 GHz, W Band

Waveguide to Coax Adapters Technical Data Sheet PE-W10CA002

Features

- W Band, 75 to 110 GHz Frequency Range
- WR-10 Waveguide
- UG-387/U-Mod Round Cover Flange
- 1.0 mm Male RF Interface
- Comprehensive waveguide offerings also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

Description

The PE-W10CA002 is a waveguide to coaxial adapter operating in the W Band with a 75 to 110 GHz frequency range. This adapter offers a WR-10 waveguide interface size coupled with a precision tolerance UG-387/U-Mod Round Cover flange. The PE-W10CA002 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 Male Connector endorsed by the International Electrotechnical Commission (IEC).

Configuration

Waveguide Size	WR-10
Flange	UG-387/U-Mod Round Cover
RF Connector	1.0mm Male
Impedance	50 Ohms
Body Geometry	Right Angle

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	75		110	GHz
VSWR			1.9:1	
Insertion Loss		1	2	dB

Mechanical Specifications

Size

Length	1.05 in [26.67 mm]
Width	0.75 in [19.05 mm]
Height	1.065 in [27.05 mm]
Weight	0.027 lbs [12.25 g]

RF Connector

Connector Type	1.0mm Male
Body Material and Plating	Stainless Steel

Waveguide Interface

Waveguide Type	WR-10

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-10 UG-387/U-Mod Round Cover Flange to 1.0mm Male Waveguide to Coax Adapter Operating From 75 GHz to 110 GHz, W Band PE-W10CA002

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

ISO 9001 : 2008 Registered

© 2017 Pasternack Enterprises All Rights Reserved

PASTERNACK
THE ENGINEER'S RF SOURCE



WR-10 UG-387/U-Mod Round Cover Flange to 1.0mm Male Waveguide to Coax Adapter Operating From 75 GHz to 110 GHz, W Band

Waveguide to Coax Adapters Technical Data Sheet PE-W10CA002

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

Environmental Specifications

Temperature

Operating Range	-40 to +85 deg C

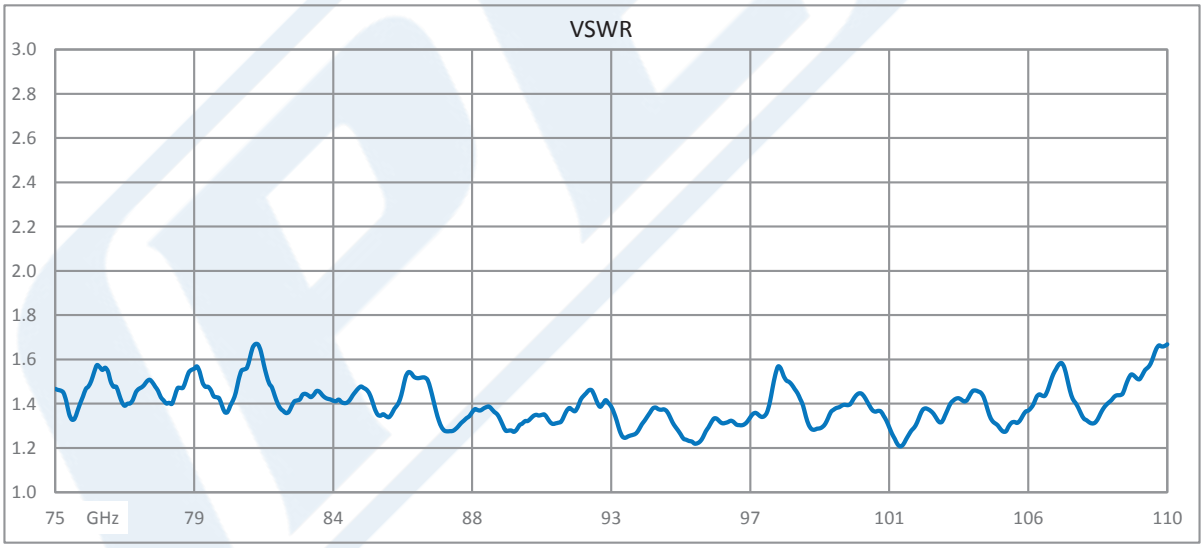
Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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

Typical Performance Data



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-10 UG-387/U-Mod Round Cover Flange to 1.0mm Male Waveguide to Coax Adapter Operating From 75 GHz to 110 GHz, W Band PE-W10CA002

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

ISO 9001 : 2008 Registered

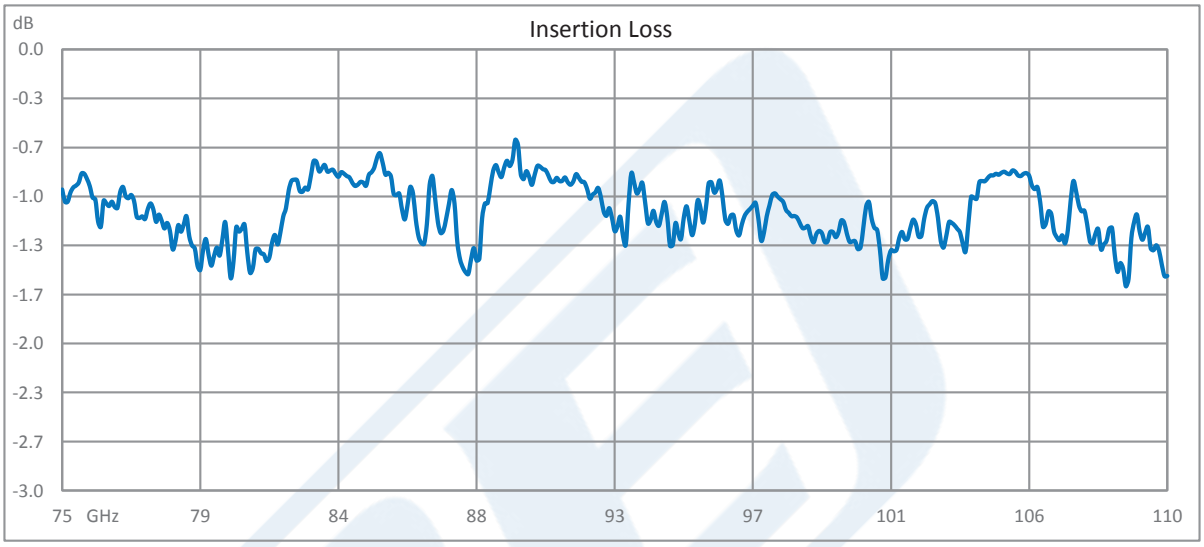
© 2017 Pasternack Enterprises All Rights Reserved

PASTERNACK®
THE ENGINEER'S RF SOURCE



WR-10 UG-387/U-Mod Round Cover Flange to 1.0mm Male Waveguide to Coax Adapter Operating From 75 GHz to 110 GHz, W Band

Waveguide to Coax Adapters Technical Data Sheet PE-W10CA002



WR-10 UG-387/U-Mod Round Cover Flange to 1.0mm Male Waveguide to Coax Adapter Operating From 75 GHz to 110 GHz, W Band 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-10 UG-387/U-Mod Round Cover Flange to 1.0mm Male Waveguide to Coax Adapter Operating From 75 GHz to 110 GHz, W Band PE-W10CA002

URL: https://www.pasternack.com/wr-10-ug387-mod-round-1.0mm-male-waveguide-coax-adapter-pe-w10ca002-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.

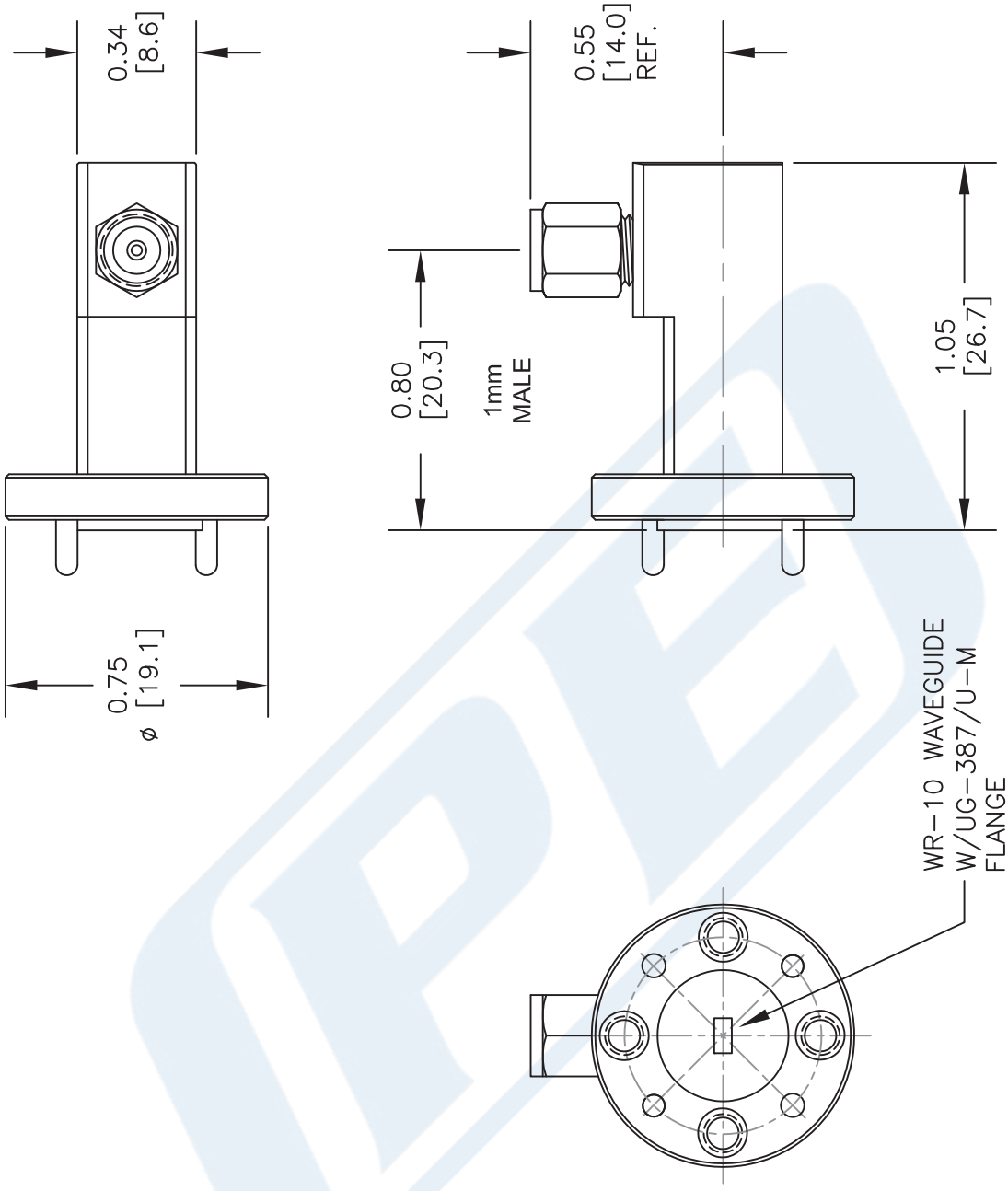
Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

ISO 9001 : 2008 Registered

© 2017 Pasternack Enterprises All Rights Reserved

PE-W10CA002 CAD Drawing

WR-10 UG-387/U-Mod Round Cover Flange to 1.0mm Male Waveguide
to Coax Adapter Operating From 75 GHz to 110 GHz, W Band



NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE	CAD FILE	SCALE	SIZE
PE-W10CA002	013117	N/A	A
CAGE CODE 53919			2233

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN: inches [mm]
TOLERANCES ARE:
DECIMALS ANGLES FRACTIONS
.XX ±.01 ±1/2° ± 1/64
[±.25] [± 127/320]
.XXX ±.005
[±.127]

* THESE DIMENSIONS AND TOLERANCES SUPERSEDE NOTE #1 ON TITLE BLOCK.

PASTERNACK® THE ENGINEER'S RF SOURCE
Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | **Fax:** (949) 261-7451
Website: www.pasternack.com | **E-Mail:** sales@pasternack.com

© 2017 Pasternack Enterprises All Rights Reserved