PASTERNACK
an INFINITE brand

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

Waveguide to Coax Adapters Technical Data Sheet PE-W10CA004

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-W10CA004 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		1.33:1		
Insertion Loss		1	2	dB
Input Power (Peak)			10	Watts

Mechanical Specifications

Size

Length	1.05 in [26.67 mm]
Width	0.75 in [19.05 mm]
Height	0.75 in [19.05 mm]
Weight	0.05 lbs [22.68 g]

RF Connector

Connector Type	1.0mm Male
Body Material and Plating	Stainless Steel

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 PE-W10CA004

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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Waveguide Interface

Waveguide Type	WR-10
Flange Type	Round Cover
Flange Designation	UG-387/U-Mod
Body Material and Plating	Aluminum, Gold

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

WR-10 UG-387/U-Mod Round Cover Flange to 1.0mm Male Waveguide to Coax Adapter Operating from 75 GHz to 110 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-10 UG-387/U-Mod Round Cover Flange to 1.0mm Male Waveguide to Coax Adapter Operating from 75 GHz to 110 GHz PE-W10CA004

URL: https://www.pasternack.com/wr10-ug387-mod-round-flange-to-1.0mm-male-waveguide-coax-adapter-pe-w10ca004-p.aspx

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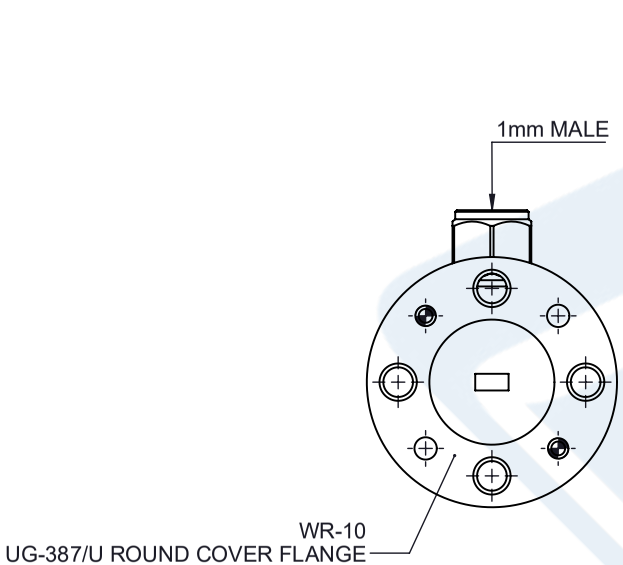
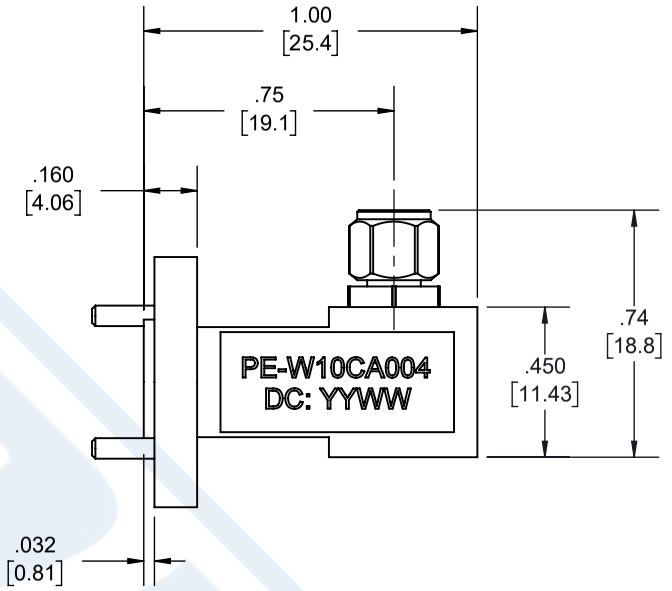
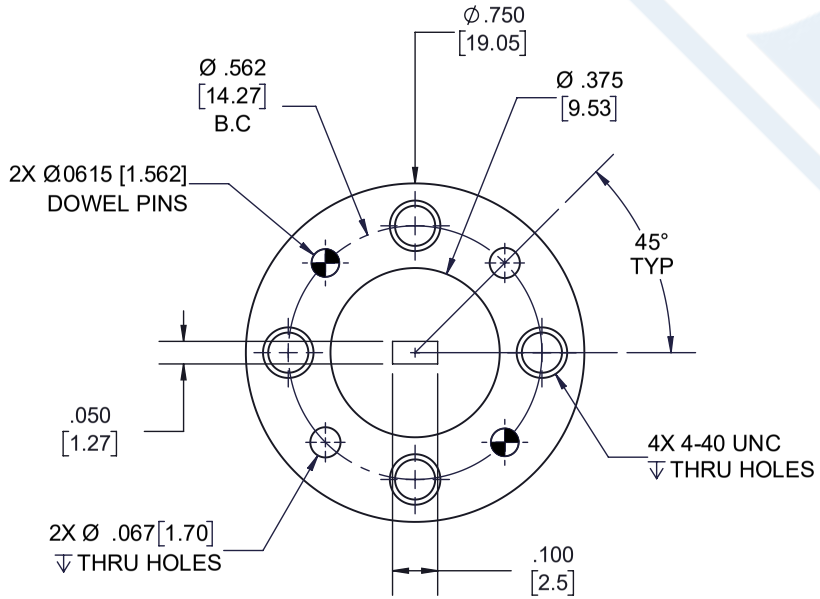
PE-W10CA004 CAD Drawing

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

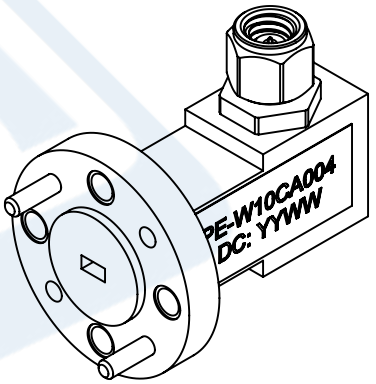
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	10/16/2020	S.PONG







FLANGE DETAIL



UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ± .2 [5.08]	FRACTIONS
.XX = ± .02 [.51]	± 1/32
.XXX = ± .005 [.13]	ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

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THIRD-ANGLE PROJECTION

SHEET 1 OF 1

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	K.DANG	PE-W10CA004	A

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