



WR-28 UBR320 Flange to 2.92mm Female Waveguide to Coax Adapter Operating from 26.5 GHz to 40 GHz in Brass

Waveguide to Coax Adapters Technical Data Sheet

PEWCA1103

Features

- 26.5 to 40 GHz Frequency Range
- WR-28 Waveguide Interface
- UBR320 Flange
- 2.92mm Female RF Interface
- Comprehensive waveguide offering also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

Applications

- Test Benches
- Radar
- Satellite
- Microwave Radio Systems
- Military and Space
- Communication Systems

Description

The PEWCA1103 is a right angle waveguide to coaxial adapter operating at a frequency range of 26.5 GHz to 40 GHz. This adapter offers a WR-28 waveguide interface size coupled with a precision tolerance UBR320 flange. The PEWCA1103 is constructed of brass and a gold finish to ensure durability. The coaxial connector offered by this adapter uses an 2.92mm Female connector.

Configuration

Waveguide Size	WR-28
Flange	UBR320
RF Connector	2.92mm Female
Body Geometry	Right Angle

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	26.5		40	GHz
VSWR			1.25:1	
Insertion Loss			0.3	dB
Input Power (CW)			20	Watts

Mechanical Specifications

Size	
Length	1.02 in [25.91 mm]
Width	0.75 in [19.05 mm]
Height	0.75 in [19.05 mm]

RF Connector
Connector Type

2.92mm Female

Waveguide Interface
Waveguide Type

WR-28

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-28 UBR320 Flange to 2.92mm Female Waveguide to Coax Adapter Operating from 26.5 GHz to 40 GHz in Brass PEWCA1103](#)



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Flange Type
Body Material and Plating

UBR320
Brass

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

Plotted and Other Data

Notes:

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

WR-28 UBR320 Flange to 2.92mm Female Waveguide to Coax Adapter Operating from 26.5 GHz to 40 GHz in Brass 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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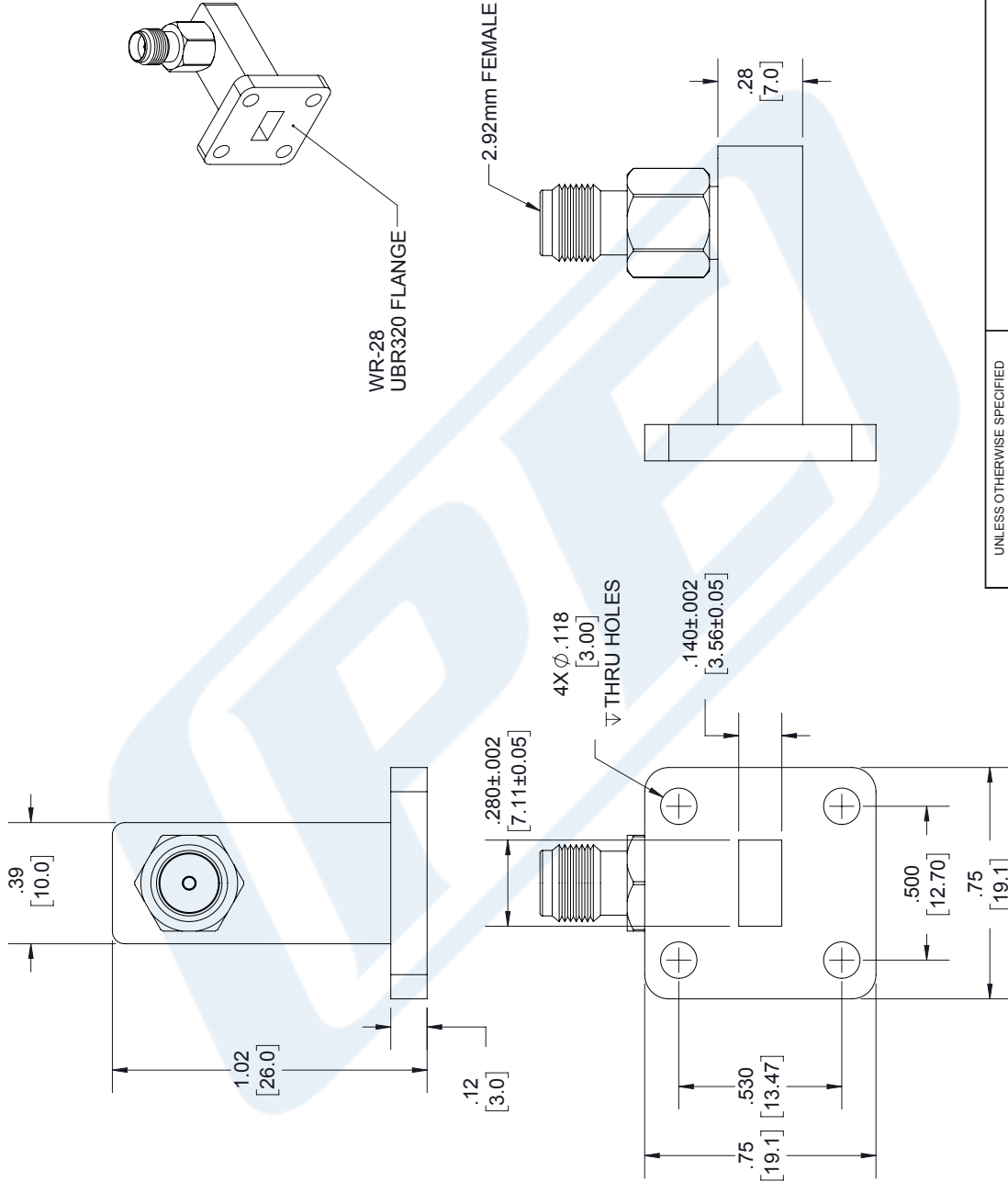
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PEWCA1103 CAD Drawing

WR-28 UBR320 Flange to 2.92mm Female Waveguide to Coax Adapter Operating from 26.5 GHz to 40 GHz in Brass

REVISIONS			
DESCRIPTION	REV.	DATE	APPROVED
INITIAL RELEASE	A	05/13/2020	SPONG



LABEL:

PASTERNAK
PEWCA1103
D/C: YYWW

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

TOLERANCES:
 .X = ± .2 [5.08]
 .XX = ± .02 [1.27]
 .XXX = ± .005 [0.127]
 ANGLES ± 1°
 CABLE LENGTH (L) TOLERANCES:
 L ≤ 12 [305] = ± .1 [25]
 12 [305] < L ≤ 60 [1524] = ± .2 [51]
 60 [1524] < L ≤ 120 [3048] = ± .4 [102]
 120 [3048] < L ≤ 300 [7620] = ± .6 [152]
 300 [7620] < L = +5% / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

PE PASTERNAK
an INFINITI brand

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1
SCALE N/A

REV A

ITEM NO. PEWCA1103

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