



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

Waveguide to Coax Adapters Technical Data Sheet

PEWCA1104

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 PEWCA1104 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 PEWCA1104 is constructed of aluminum and painted gray 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			0.4	dB
Input Power (CW)			20	Watts

Mechanical Specifications

Size	
Length	1.06 in [26.92 mm]
Width	0.75 in [19.05 mm]
Height	0.75 in [19.05 mm]
Weight	1 lbs [453.59 g]
RF Connector	
Connector Type	2.92mm Female

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 Aluminum PEWCA1104](#)



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Waveguide Interface

Waveguide Type	WR-28
Flange Type	UBR320
Body Material and Plating	Aluminum

Environmental Specifications

Temperature

Operating Range	-20 to +70 deg C
Storage 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-28 UBR320 Flange to 2.92mm Female Waveguide to Coax Adapter Operating from 26.5 GHz to 40 GHz in Aluminum 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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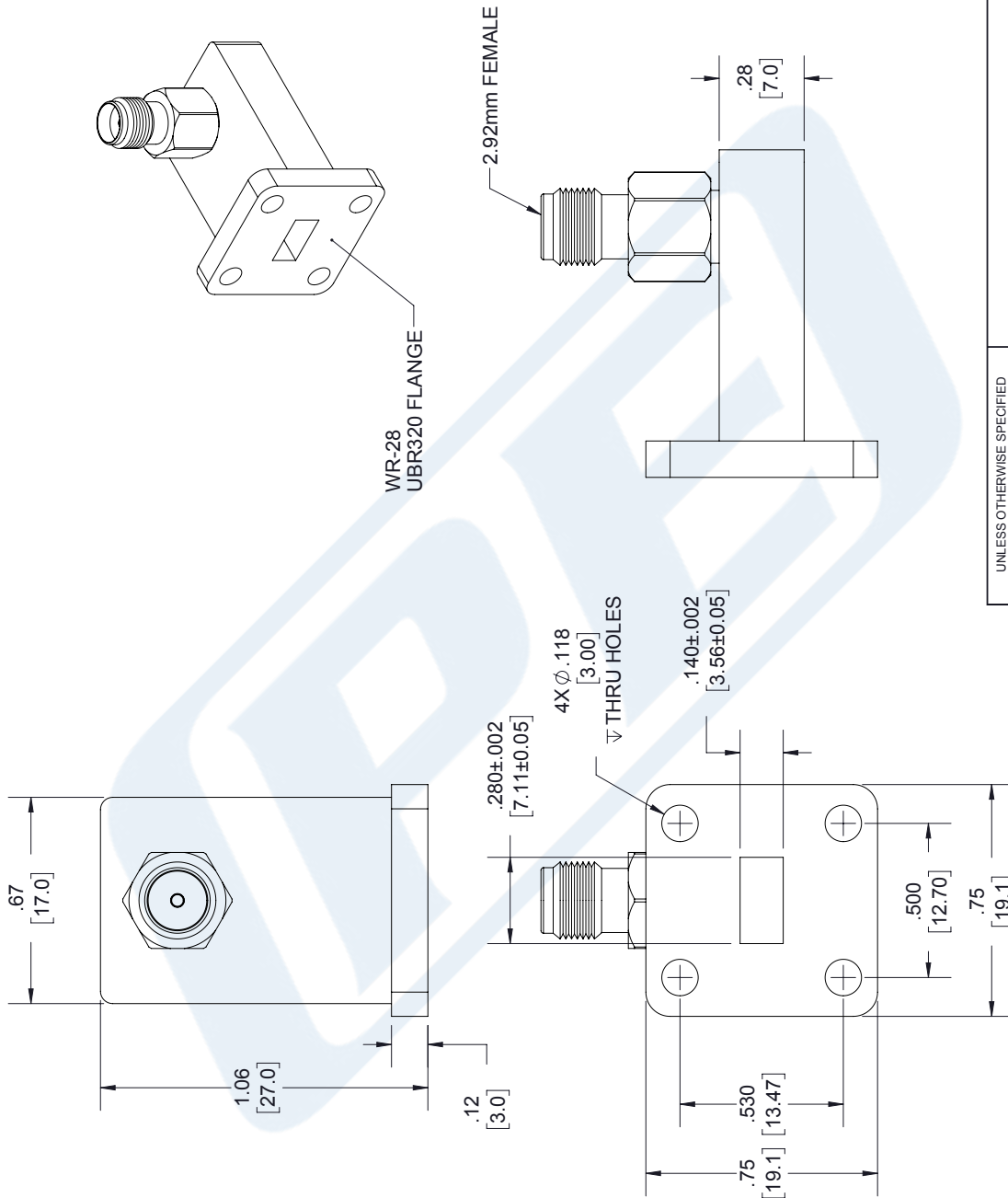
URL: <https://www.pasternack.com/wr28-ubr320-flange-to-2.92mm-female-waveguide-coax-adapter-40-ghz-pewca1104-p.aspx>

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.

PEWCA1104 CAD Drawing

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

REVISIONS		DATE	APPROVED
DESCRIPTION	REV.		
INITIAL RELEASE	A	05/14/2020	SPONG



WR-28 UBR320 FLANGE

2.92mm FEMALE

LABEL:
 PASTERNAK
 PEWCA1104
 D/C: YYWW

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

TOLERANCES:
 .X = ±.2 [5.08] FRACTIONS ± 1/32
 .XX = ±.02 [.51] ANGLES ± 1°
 .XXX = ±.005 [.13] 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% / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SCALE N/A

REV A

ITEM NO PEWCA1104

DRAWN BY BPUCHASKI

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