



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

Waveguide to Coax Adapters Technical Data Sheet

PEWCA1109

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 PEWCA1109 is an end launch 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 PEWCA1109 is constructed of brass with 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	End Launch

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	26.5		40	GHz
VSWR			1.3:1	
Insertion Loss			0.5	dB
Input Power (CW)			20	Watts

Mechanical Specifications

Size	
Length	0.93 in [23.62 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 End Launch 2.92mm Female Waveguide to Coax Adapter Operating from 26.5 GHz to 40 GHz in Brass PEWCA1109](#)



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Flange Type UBR320
Body Material and Plating Brass

Environmental Specifications

Temperature

Operating Range -40 to +70 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 End Launch 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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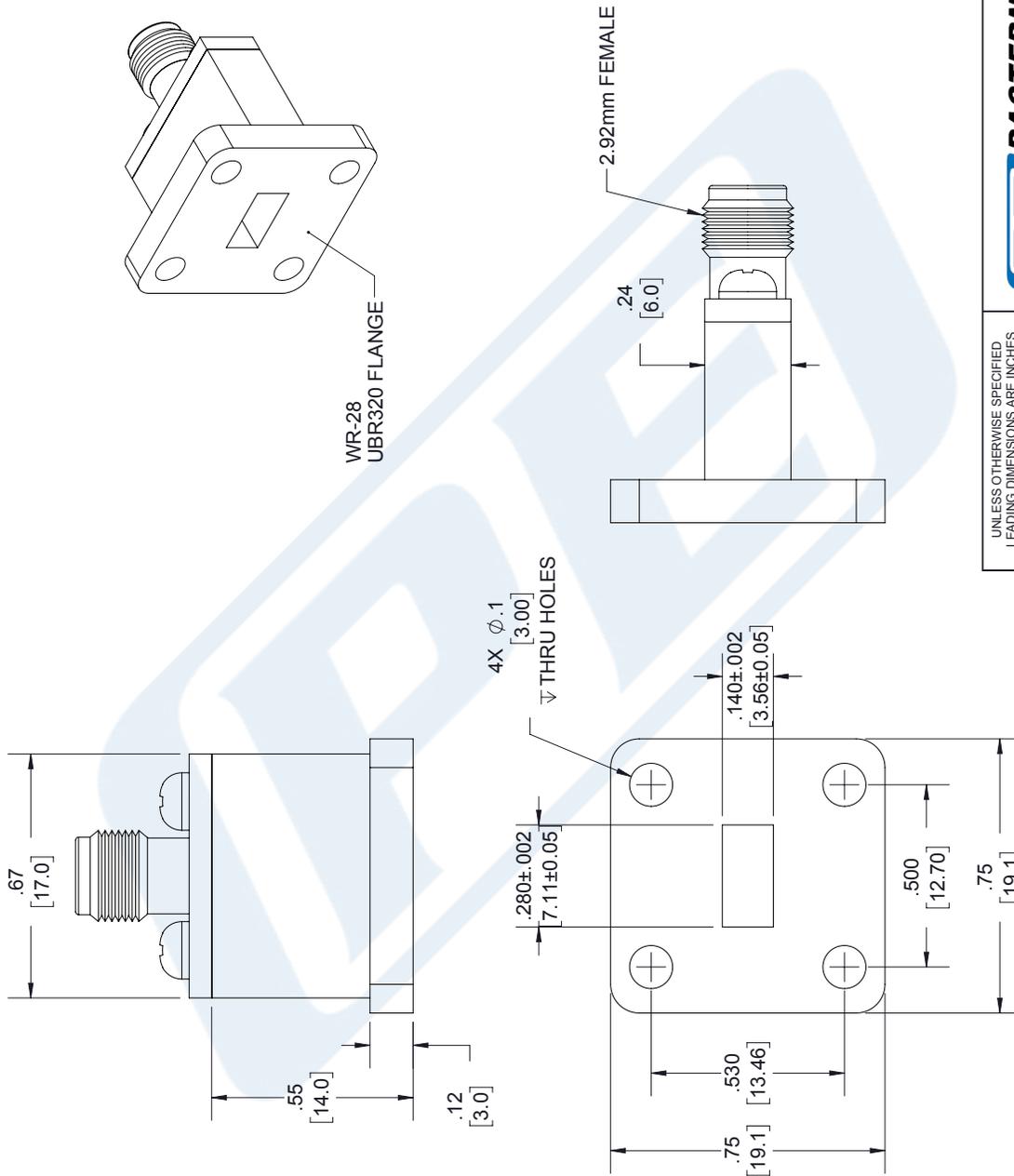
URL: <https://www.pasternack.com/wr28-ubr320-flange-to-end-launch-2.92mm-female-waveguide-coax-adapter-40ghz-pewca1109-p.aspx>

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PEWCA1109 CAD Drawing

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

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	05/18/2020	SPONG



THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

REV A

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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% / L / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE A CAGE CODE 53919 DRAWN BY BPUCHASKI ITEM NO. PEWCA1109

LABEL:
PASTERNAK
PEWCA1109
D/C: YYWW

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