



WR-75 UBR120 Flange to SMA Female Waveguide to Coax Adapter Operating from 9.84 GHz to 15 GHz in Brass

Waveguide to Coax Adapters Technical Data Sheet

PEWCA1096

Features

- 9.84 to 15 GHz Frequency Range
- WR-75 Waveguide Interface
- UBR120 Flange
- SMA 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 PEWCA1096 is a right angle waveguide to coaxial adapter operating at a frequency range of 9.84 GHz to 15 GHz. This adapter offers a WR-75 waveguide interface size coupled with a precision tolerance UBR120 flange. The PEWCA1096 is constructed of brass and painted gray to ensure durability. The coaxial connector offered by this adapter uses an SMA Female connector.

Configuration

Waveguide Size	WR-75
Flange	UBR120
RF Connector	SMA Female
Body Geometry	Right Angle

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	9.84		15	GHz
VSWR			1.25:1	
Insertion Loss			0.2	dB
Input Power (CW)			50	Watts

Mechanical Specifications

Size	
Length	1.18 in [29.97 mm]
Width	1.5 in [38.1 mm]
Height	1.5 in [38.1 mm]

RF Connector	
Connector Type	SMA Female

Waveguide Interface	
Waveguide Type	WR-75

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-75 UBR120 Flange to SMA Female Waveguide to Coax Adapter Operating from 9.84 GHz to 15 GHz in Brass PEWCA1096](#)



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Flange Type	UBR120
Body Material and Plating	Brass

Environmental Specifications

Temperature

Operating Range -30 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-75 UBR120 Flange to SMA Female Waveguide to Coax Adapter Operating from 9.84 GHz to 15 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/wr75-ubr120-flange-to-sma-female-waveguide-coax-adapter-15-ghz-pewca1096-p.aspx>

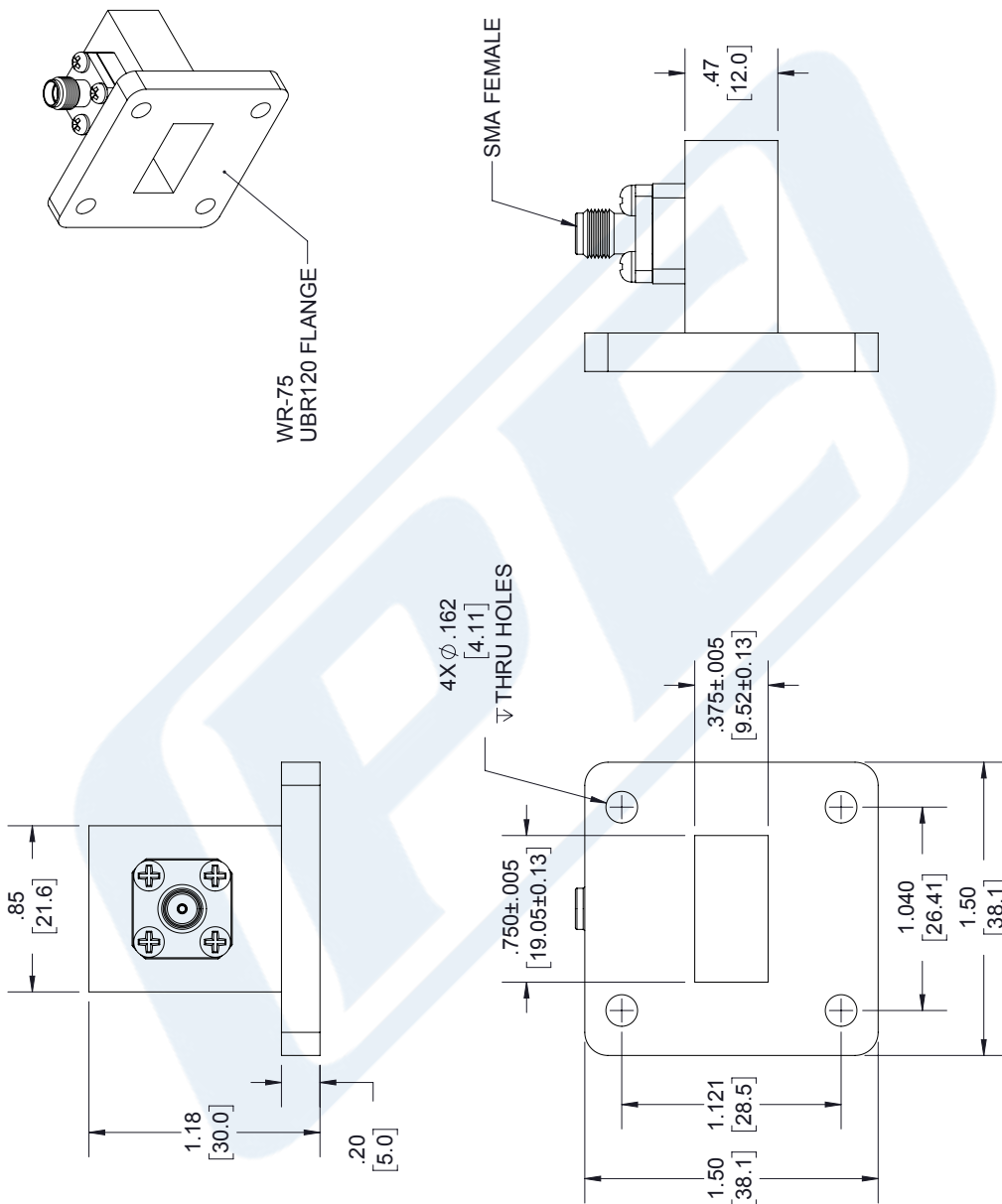
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PEWCA1096 CAD Drawing

WR-75 UBR120 Flange to SMA Female Waveguide to Coax Adapter Operating from 9.84 GHz to 15 GHz in Brass

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	05/06/2020	SPONG



THIRD-ANGLE PROJECTION

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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. PEWCA1096

LABEL:
PASTERNAK
PEWCA1096
D/C: YYWW

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