



WR-112 UBR84 Flange to SMA Female Waveguide to Coax Adapter Operating from 6.57 GHz to 9.99 GHz in Aluminum

Waveguide to Coax Adapters Technical Data Sheet

PEWCA1090

Features

- 6.57 to 9.99 GHz Frequency Range
- WR-112 Waveguide Interface
- UBR84 Cover 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 PEWCA1090 is a right angle waveguide to coaxial adapter operating at a 6.57 GHz to 9.99 GHz frequency range. This adapter offers a WR-112 waveguide interface size using a standard UBR84 Cover Flange. The PEWCA1090 is constructed of Aluminum Alloy and painted gray to ensure durability. The coaxial connector offered by this adapter uses a SMA Female Connector.

Configuration

Waveguide Size	WR-112
Flange	UBR84
RF Connector	SMA Female
Body Geometry	Right Angle

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	6.57		9.99	GHz
VSWR			1.25:1	
Insertion Loss			0.2	dB
Input Power (CW)			100	Watts

Mechanical Specifications

Size	
Length	1.65 in [41.91 mm]
Width	1.88 in [47.75 mm]
Height	1.88 in [47.75 mm]

RF Connector	
Connector Type	SMA Female

Waveguide Interface	
Waveguide Type	WR-112

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-112 UBR84 Flange to SMA Female Waveguide to Coax Adapter Operating from 6.57 GHz to 9.99 GHz in Aluminum PEWCA1090](#)



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Flange Type
Body Material and Plating

UBR84
Aluminum

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

Plotted and Other Data

Notes:

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

WR-112 UBR84 Flange to SMA Female Waveguide to Coax Adapter Operating from 6.57 GHz to 9.99 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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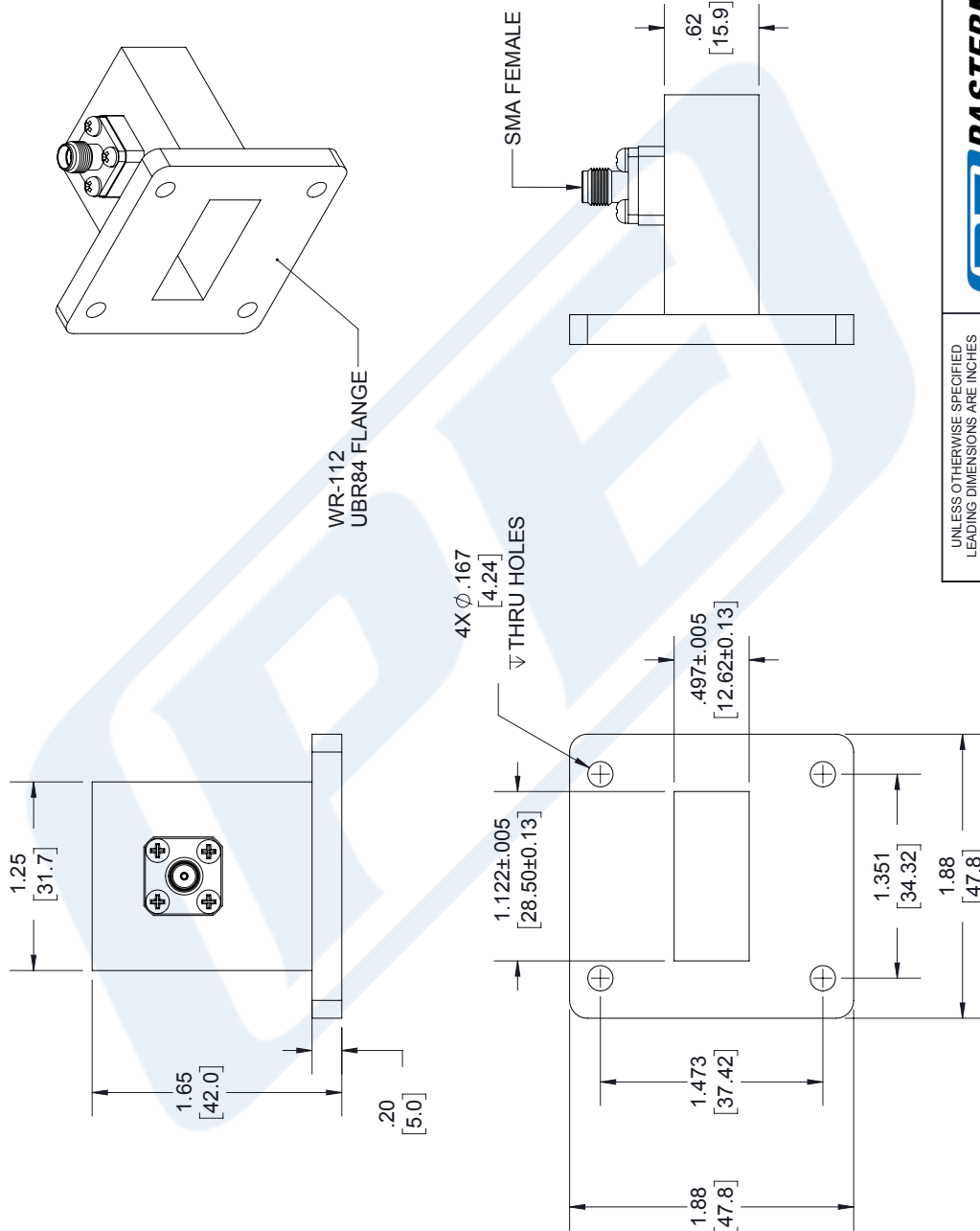
URL: <https://www.pasternack.com/wr112-ubr84-flange-to-sma-female-waveguide-coax-adapter-9.99-ghz-pewca1090-p.aspx>

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PEWCA1090 CAD Drawing

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Operating from 6.57 GHz to 9.99 GHz in Aluminum

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



WR-112
UBR84 FLANGE

SMA FEMALE

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% / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.



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SHEET 1 OF 1

SCALE N/A

REV A



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SIZE CAGE CODE DRAWN BY ITEM NO

PEWCA1090

BPUCHASKI

A 53919

REV A

LABEL:

PASTERNAK
PEWCA1090
D/C: YYWW

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