



WR-62 UG-1665/U Square Cover Flange to N Female Waveguide to Coax Adapter Operating from 12.4 GHz to 18 GHz

Waveguide to Coax Adapters Technical Data Sheet

PEWCA1028

Features

- Ku Band
- 12.4 to 18 GHz Frequency Range
- WR-62 Waveguide Interface
- UG-1665/U Square Cover Flange
- N Female RF Interface
- Right Angle

Applications

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

Description

The PEWCA1028 is a waveguide to coaxial adapter operating in the Ku Band with a 12.4 to 18 GHz frequency range. This adapter offers a WR-62 waveguide interface size using a standard UG-1665/U Square Cover Flange. The PEWCA1028 is constructed of Aluminum Alloy and painted to ensure durability. The coaxial connector offered by this adapter uses a N Female Connector.

Configuration

Waveguide Size	WR-62
Flange	UG-1665/U Square Cover
RF Connector	N Female
Impedance	50 Ohms
Body Geometry	Right Angle

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	12.4		18	GHz
VSWR		1.25:1		

Mechanical Specifications

Weight	0.144 lbs [65.32 g]
RF Connector	
Connector Type	N Female
Waveguide Interface	
Waveguide Type	WR-62
Flange Type	Square Cover
Flange Designation	UG-1665/U
Body Material and Plating	Aluminum, Paint

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-62 UG-1665/U Square Cover Flange to N Female Waveguide to Coax Adapter Operating from 12.4 GHz to 18 GHz PEWCA1028](#)



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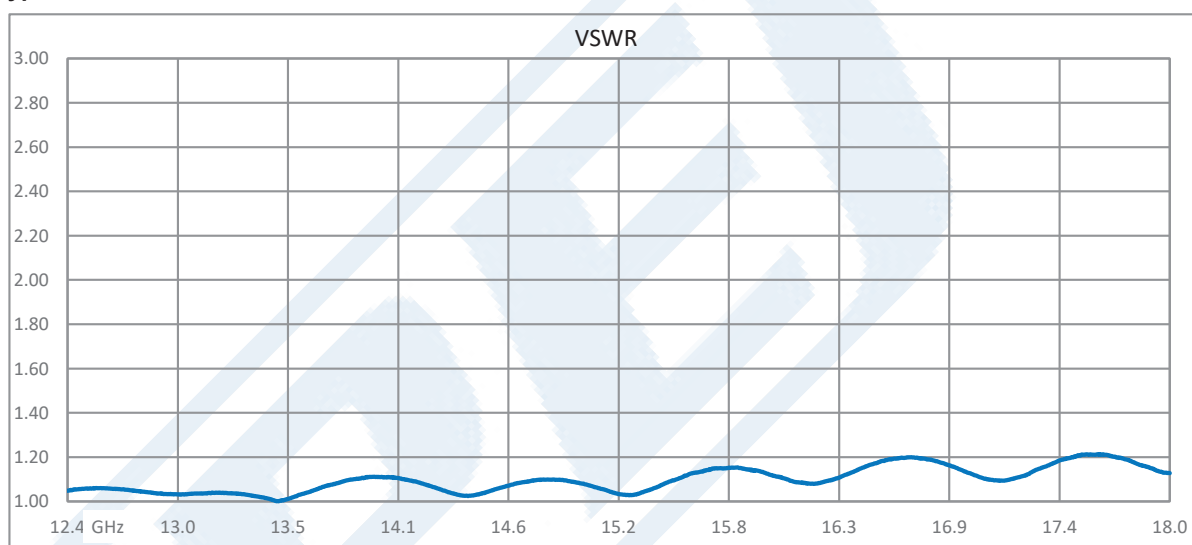
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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

Typical Performance Data



WR-62 UG-1665/U Square Cover Flange to N Female Waveguide to Coax Adapter Operating from 12.4 GHz to 18 GHz 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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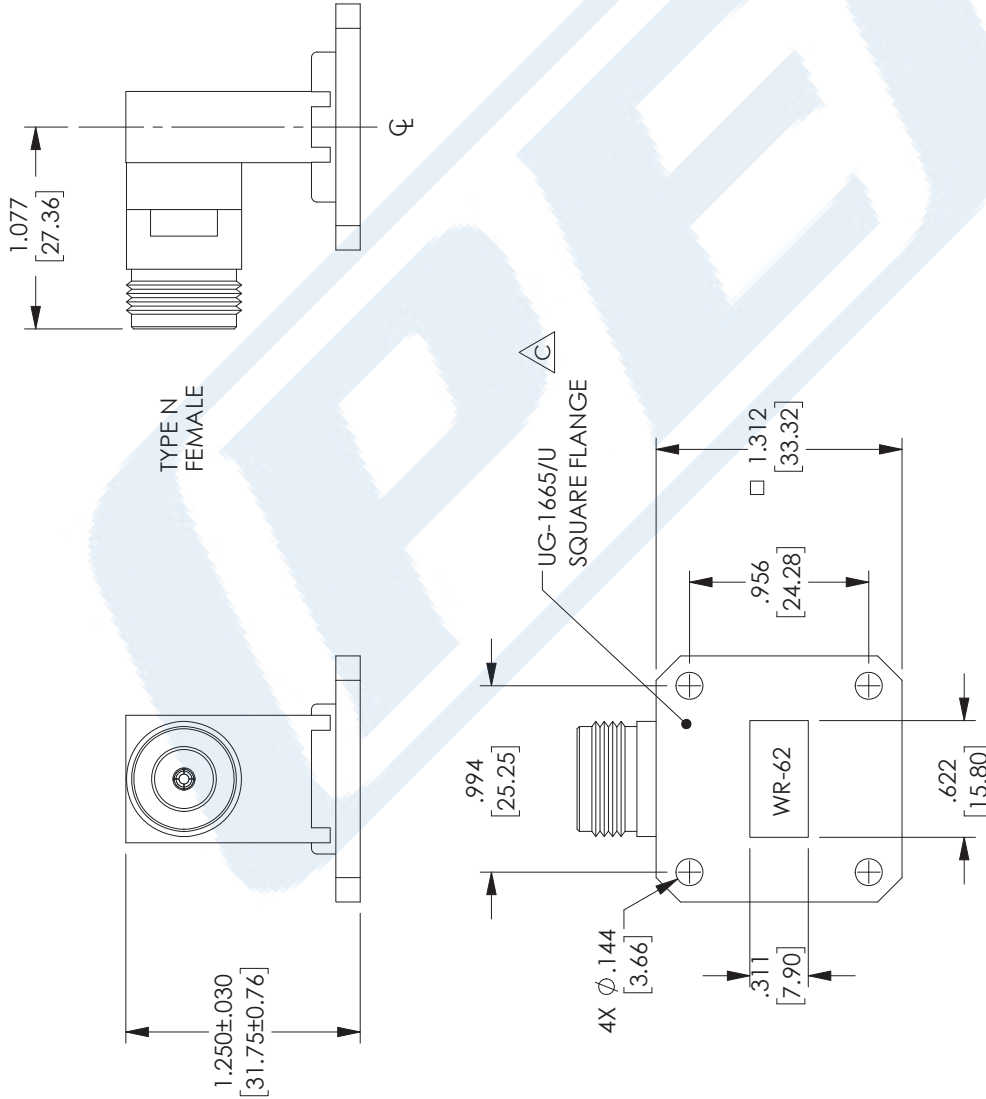
URL: <https://www.pasternack.com/wr62-ug1665-square-flange-to-type-n-female-waveguide-coax-adapter-18ghz-pewca1028-p.aspx>

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.

PEWCA1028 CAD Drawing

WR-62 UG-1665/U Square Cover Flange to N Female Waveguide
to Coax Adapter Operating from 12.4 GHz to 18 GHz

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
C	PCR PEWCA1028 20220920	09/29/2022	SPONG



PE PASTERNAK an INFINITI® brand Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasternack.com E-mail: sales@pasternack.com		THIRD-ANGLE PROJECTION THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED. SHEET 1 OF 1 SCALE N/A	
SIZE A	CAGE CODE 53919	DRAWN BY DFRISIELLO	ITEM NO. PEWCA1028
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: X = +2 [5.08] FRACTIONS XX = +.02 [.51] +.132 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.		REV C	

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