



WR-187 UG-407/U Round Cover Flange to Type
N Female Waveguide to Coax Adapter, 3.95 GHz
to 5.85 GHz, J Band, Aluminum, Paint

Waveguide to Coax Adapters Technical Data Sheet

PEWCA1056

Features

- J Band
- 3.95 to 5.85 GHz Frequency Range
- WR-187 Waveguide Interface
- UG-407/U Round Cover Flange
- N Female RF Interface
- Right Angle

Applications

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

Description

The PEWCA1056 is a waveguide to coaxial adapter operating in the J Band with a 3.95 to 5.85 GHz frequency range. This adapter offers a WR-187 waveguide interface size using a standard UG-407/U Round Cover Flange. The PEWCA1056 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-187
Flange	UG-407/U Round Cover
RF Connector	N Female
Impedance	50 Ohms
Body Geometry	Right Angle

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	3.95		5.85	GHz
VSWR		1.25:1		

Mechanical Specifications

Weight	0.435 lbs [197.31 g]
RF Connector	
Connector Type	N Female
Waveguide Interface	
Waveguide Type	WR-187
Flange Type	Round Cover
Flange Designation	UG-407/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-187 UG-407/U Round Cover Flange to Type N Female Waveguide to Coax Adapter, 3.95 GHz to 5.85 GHz, J Band, Aluminum, Paint PEWCA1056](#)



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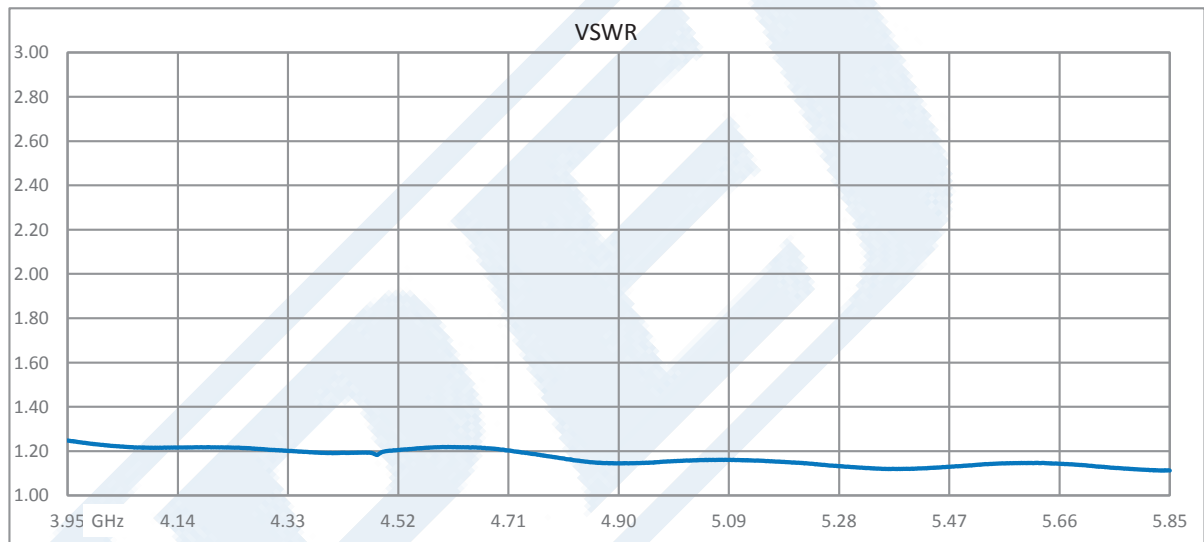
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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

Typical Performance Data



WR-187 UG-407/U Round Cover Flange to Type N Female Waveguide to Coax Adapter, 3.95 GHz to 5.85 GHz, J Band, Aluminum, Paint 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/wr187-ug407-round-flange-to-type-n-female-waveguide-coax-adapter-5.85ghz-pewca1056-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.

PEWCA1056 CAD Drawing

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to Coax Adapter, 3.95 GHz to 5.85 GHz, J Band, Aluminum, Paint

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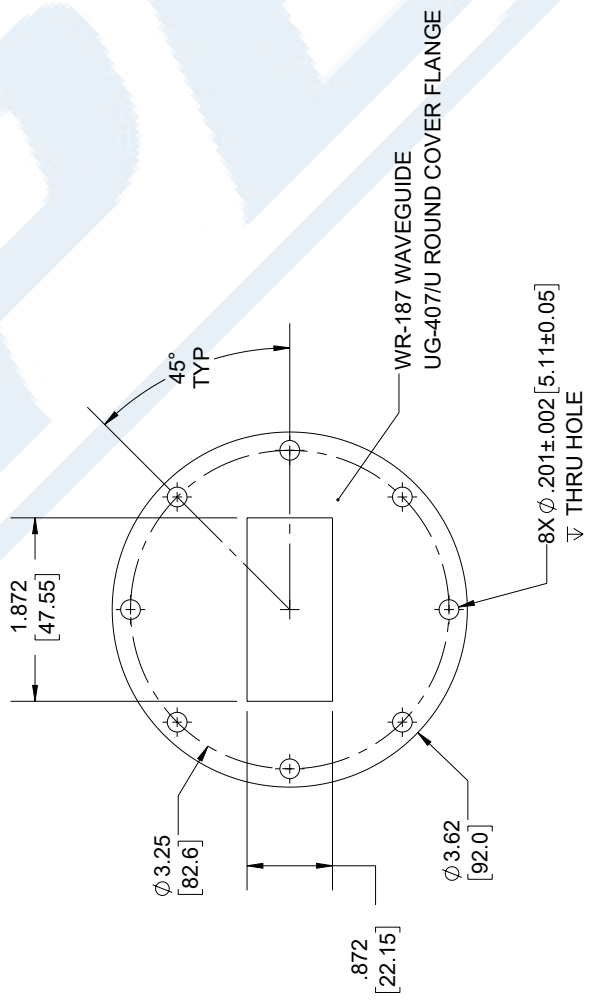
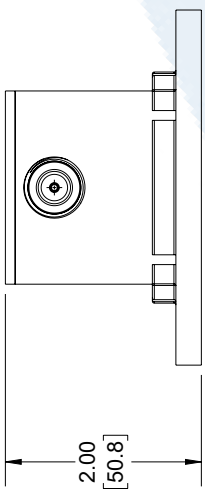
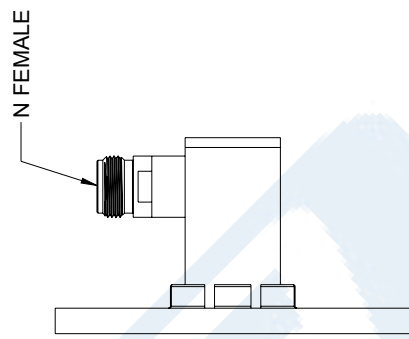
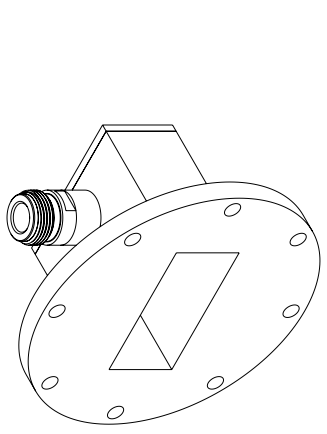
E

D

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

TOLERANCES:
.X = ±.2 [5] FRACTIONS
.XX = ±.02 [0.5] ± 1/32
.XXX = ±.005 [0.13] ANGLES ± 1°
CABLE LENGTH TOLERANCES:
≤ 12 [305] = ±.1 [25] / -0
> 12 [305] ≤ 20 [508] = ±.01 [0.25] / -0
> 20 [508] ≤ 30 [762] = ±.02 [0.51] / -0
> 30 [762] ≤ 300 [7620] = ±.05 [1.27] / -0
ALL DIMENSIONS ARE FOR REFERENCE ONLY
AND SUBJECT TO CHANGE WITHOUT NOTICE
UNLESS OTHERWISE SPECIFIED
DIMENSIONS MAY VARY IN SIZE AND LOCATION
COLORS MAY VARY

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DESCRIPTION
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Waveguide to Coax Adapter, 3.95 GHz to 5.85 GHz, J Band,
Aluminum, Paint

INTERPRET ALL DIMENSIONS AND
TOLERANCES PER ASME Y14.5

SCALE NONE SHEET 1 OF 1

SIZE A 53919 CAGE CODE DRAWN BY KDANG ITEM NO. PEWCA1056 REV B