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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

**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**

<table>
<thead>
<tr>
<th>Description</th>
<th>Minimum</th>
<th>Typical</th>
<th>Maximum</th>
<th>Units</th>
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<tbody>
<tr>
<td>Frequency Range</td>
<td>3.95</td>
<td>5.85</td>
<td></td>
<td>GHz</td>
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<tr>
<td>VSWR</td>
<td></td>
<td>1.25:1</td>
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</tbody>
</table>

**Mechanical Specifications**

**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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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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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.
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**NOTES:**
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

**STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES**

**PEWCA1056**

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

**Dimensions:**
- Female N: 1.872 [47.55 mm]
- WR-187: 3.624 [92.05 mm]
- Round Cover: 6 x Ø .203 [5.16 mm], Ø .199 [5.05 mm] THRU ALL

**Standard Tolerances:**
- ±0.2
- ±0.01
- ±0.005

**Company Information:**
Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com
CAGE CODE: 53919
Size: A
Scale: 1/8" = 1"