



WR-187 CMR-187 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

PEWCA1058

Features

- J Band
- 3.95 to 5.85 GHz Frequency Range
- WR-187 Waveguide Interface
- CMR-187 Flange
- N Female RF Interface
- Right Angle

Applications

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

Description

The PEWCA1058 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 CMR-187 Flange. The PEWCA1058 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	CMR-187
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

RF Connector	
Connector Type	N Female
Waveguide Interface	
Waveguide Type	WR-187
Flange Type	CMR-187
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 CMR-187 Flange to Type N Female Waveguide to Coax Adapter, 3.95 GHz to 5.85 GHz, J Band, Aluminum, Paint PEWCA1058](#)



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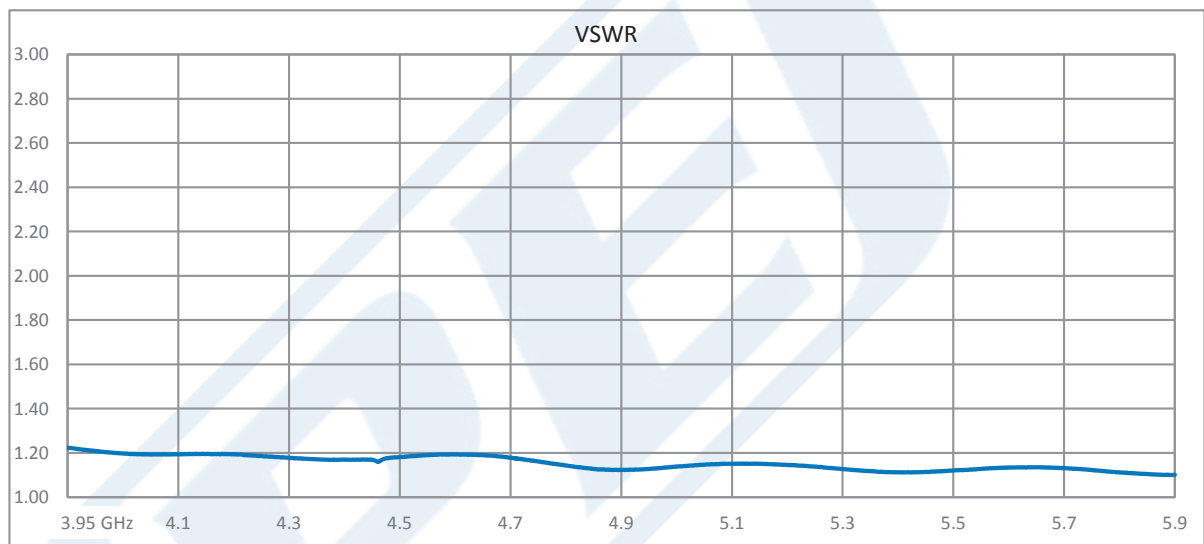
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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

Typical Performance Data



WR-187 CMR-187 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.

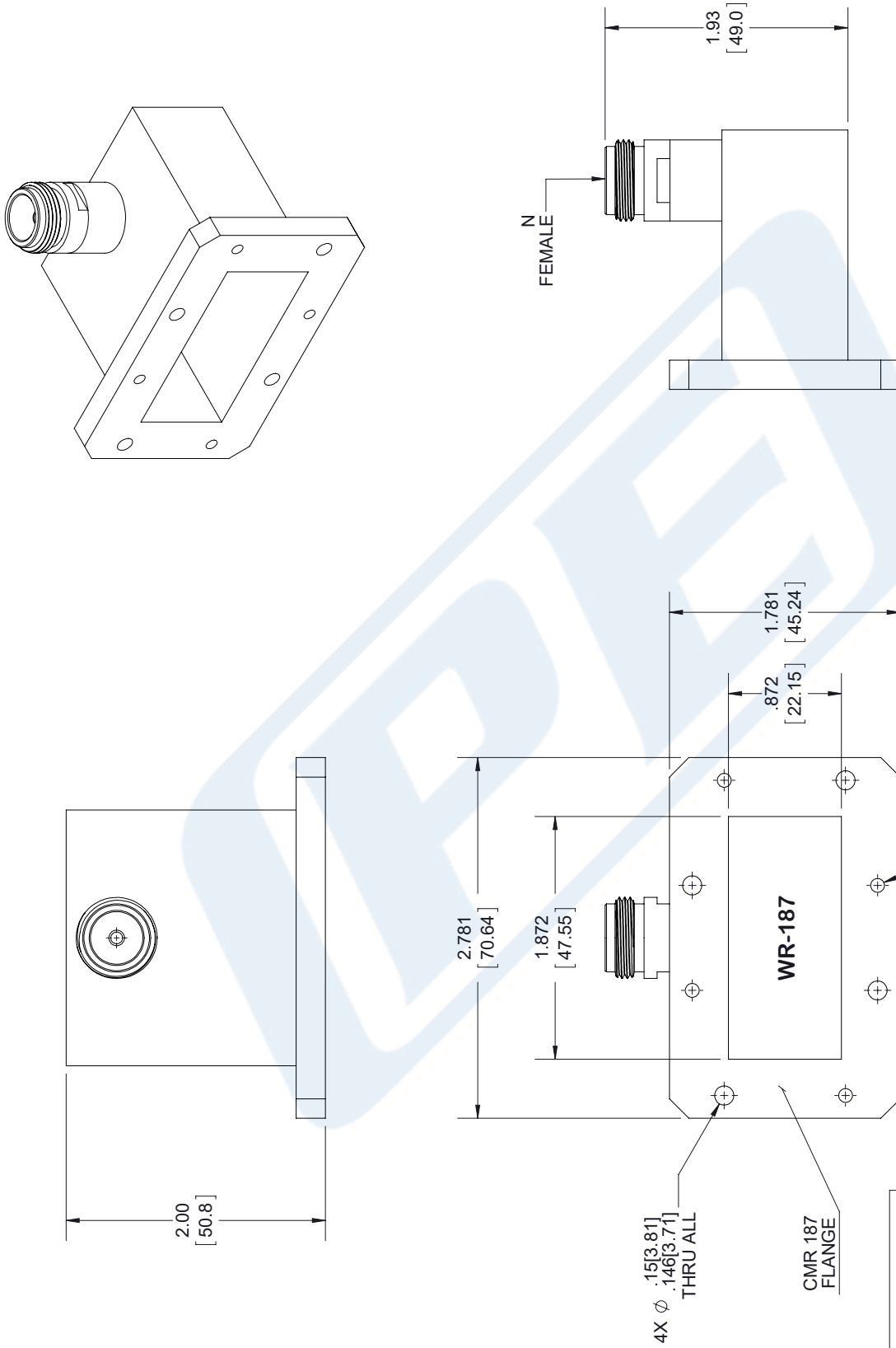
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URL: <https://www.pasternack.com/wr187-cmr-187-flange-to-type-n-female-waveguide-coax-adapter-5.85ghz-pewca1058-p.aspx>

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.

PEWCA1058 CAD Drawing

WR-187 CMR-187 Flange to Type N Female Waveguide to Coax Adapter, 3.95 GHz to 5.85 GHz, J Band, Aluminum, Paint



STANDARD TOLERANCES	
.X	± 0.2
.XX	± 0.01
.XXX	± 0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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DWG TITLE
PEWCA1058

CAGE CODE **53919**

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].

CAD FILE 100417 SCALE N/A SIZE A 7361