



WR-187 CMR-187 Flange to N Female Waveguide to Coax Adapter Operating From 3.95 GHz to 5.85 GHz, C Band

Waveguide to Coax Adapters Technical Data Sheet

PE9822

**Features**

- C Band, 3.95 to 5.85 GHz Frequency Range
- WR-187 Waveguide Interface with CMR-187 Flange
- N Female Coaxial Interface
- Comprehensive waveguide offerings also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

**Description**

The PE9822 is a waveguide to coaxial adapter operating in the C band with a 3.95 to 5.85 GHz frequency range. This adapter offers a WR-187 waveguide interface size coupled with a precision tolerance CMR-187 flange. The PE9822 is constructed of aluminum to ensure durability and repeatable RF performance. The coaxial connector offered by this adapter uses a N type Female connector and the package is REACH and RoHS compliant.

**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			1.3:1	
Input Power (Peak)			300	Watts

**Mechanical Specifications**

<b>Size</b>	
Length	1.88 in [47.75 mm]
Width	2.78 in [70.61 mm]
Height	2.56 in [65.02 mm]
Weight	0.268 lbs [121.56 g]

<b>RF Connector</b>	
Connector Type	N Female
Body Material and Plating	Stainless Steel

<b>Waveguide Interface</b>	
Waveguide Type	WR-187
Flange Type	CMR-187
Body Material and Plating	Aluminum

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 N Female Waveguide to Coax Adapter Operating From 3.95 GHz to 5.85 GHz, C Band PE9822](#)



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**Environmental Specifications**

**Temperature**

Operating Range -40 to +85 deg C

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant

REACH Compliant

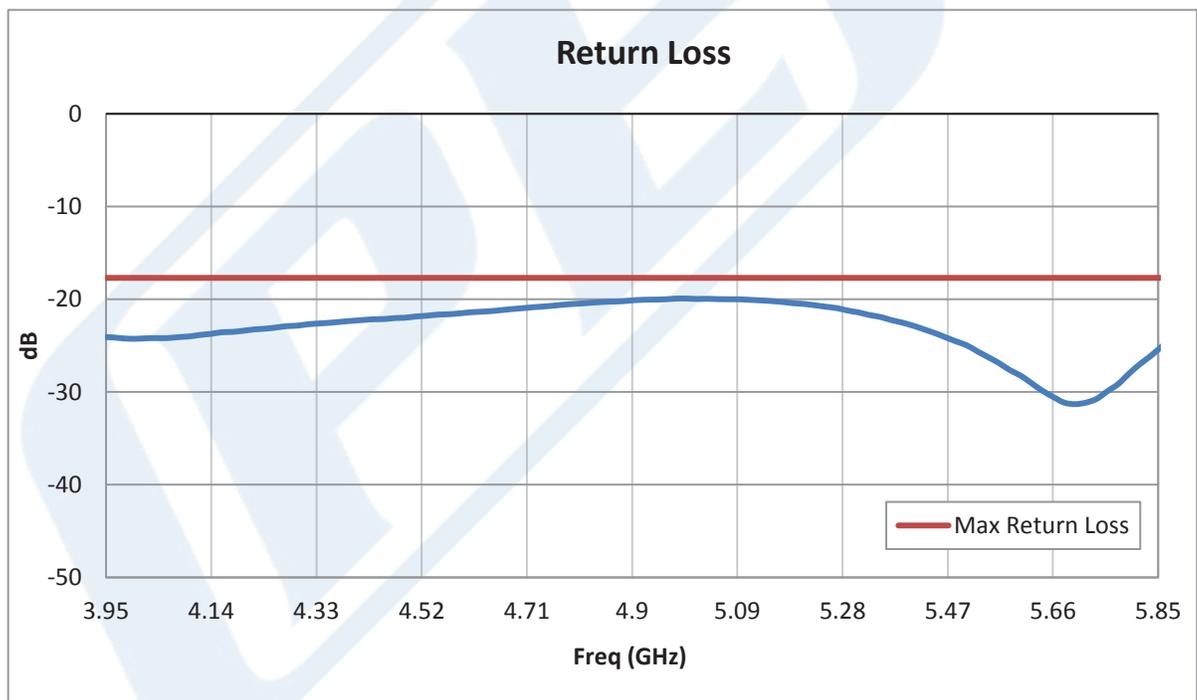
12/17/2015

**Plotted and Other Data**

Notes:

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

**Typical Performance Data**



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WR-187 CMR-187 Flange to N Female Waveguide to Coax Adapter Operating From 3.95 GHz to 5.85 GHz, C Band from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

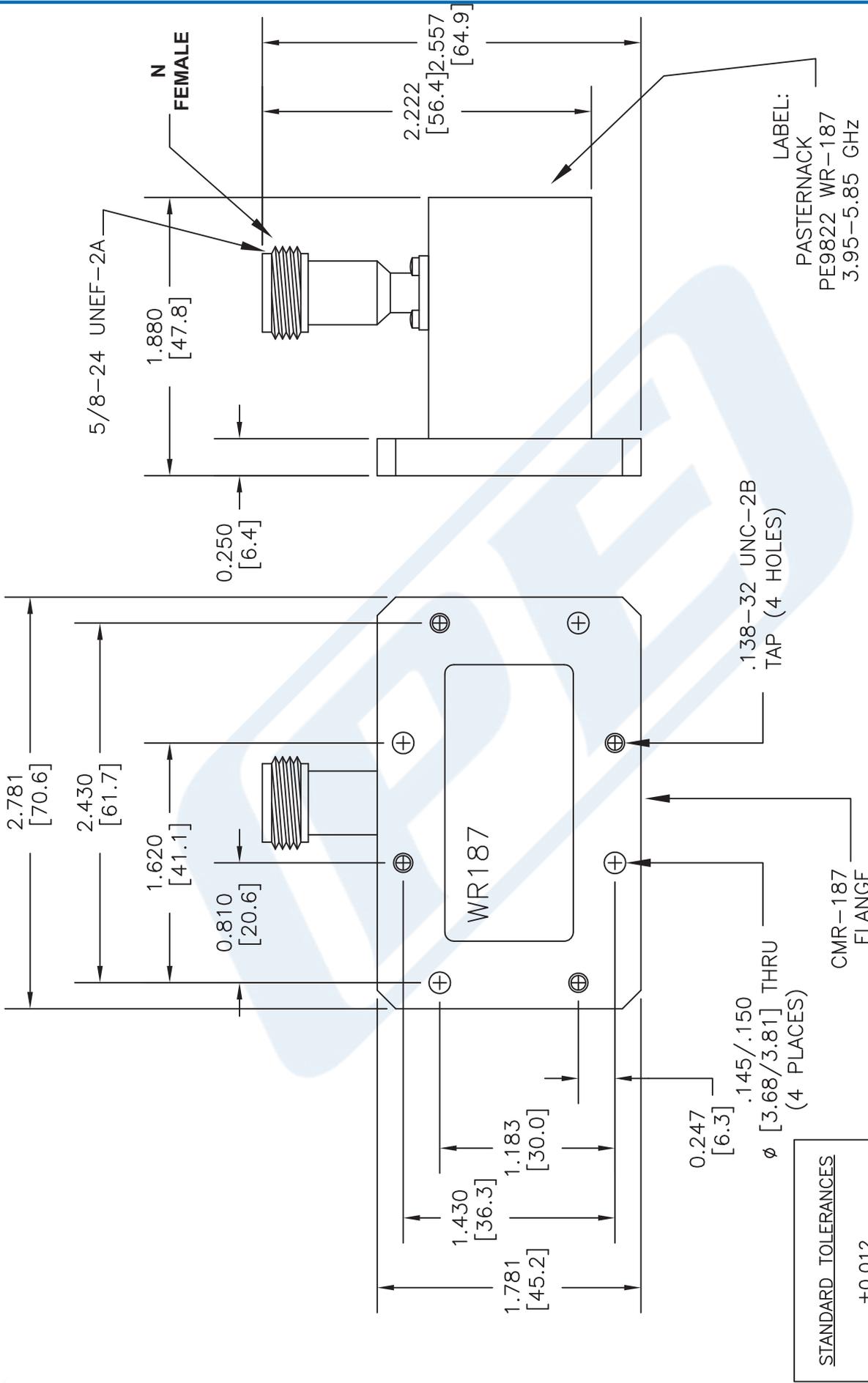
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-187 CMR-187 Flange to N Female Waveguide to Coax Adapter Operating From 3.95 GHz to 5.85 GHz, C Band PE9822](http://www.pasternack.com/wr-187-n-female-waveguide-coax-adapter-3.95-ghz-5.85-ghz-pe9822-p.aspx)

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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.

# PE9822 CAD Drawing

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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].

DWG TITLE  
**PE9822**

FSCM NO. 53919

CAD FILE 040616

SCALE N/A

SIZE A

3045

**PE PASTERNAK**  
THE ENGINEER'S RF SOURCE

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