



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

Waveguide to Coax Adapters Technical Data Sheet

PE9832

Features

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

Description

The PE9832 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 PE9832 is constructed of aluminum to ensure durability and repeatable RF performance. The SMA female connector mates with commercially available 2.92mm and 3.5mm connectors. The package is REACH and RoHS compliant.

Configuration

Waveguide Size	WR-187
Flange	CMR-187
RF Connector	SMA 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)			150	Watts

Mechanical Specifications

Size	
Length	1.82 in [46.23 mm]
Width	2.78 in [70.61 mm]
Height	1.88 in [47.75 mm]
Weight	0.298 lbs [135.17 g]

RF Connector

Connector Type	SMA Female
Body Material and Plating	Stainless Steel

Waveguide Interface

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 SMA Female Waveguide to Coax Adapter Operating From 3.95 GHz to 5.85 GHz, C Band PE9832](#)



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Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

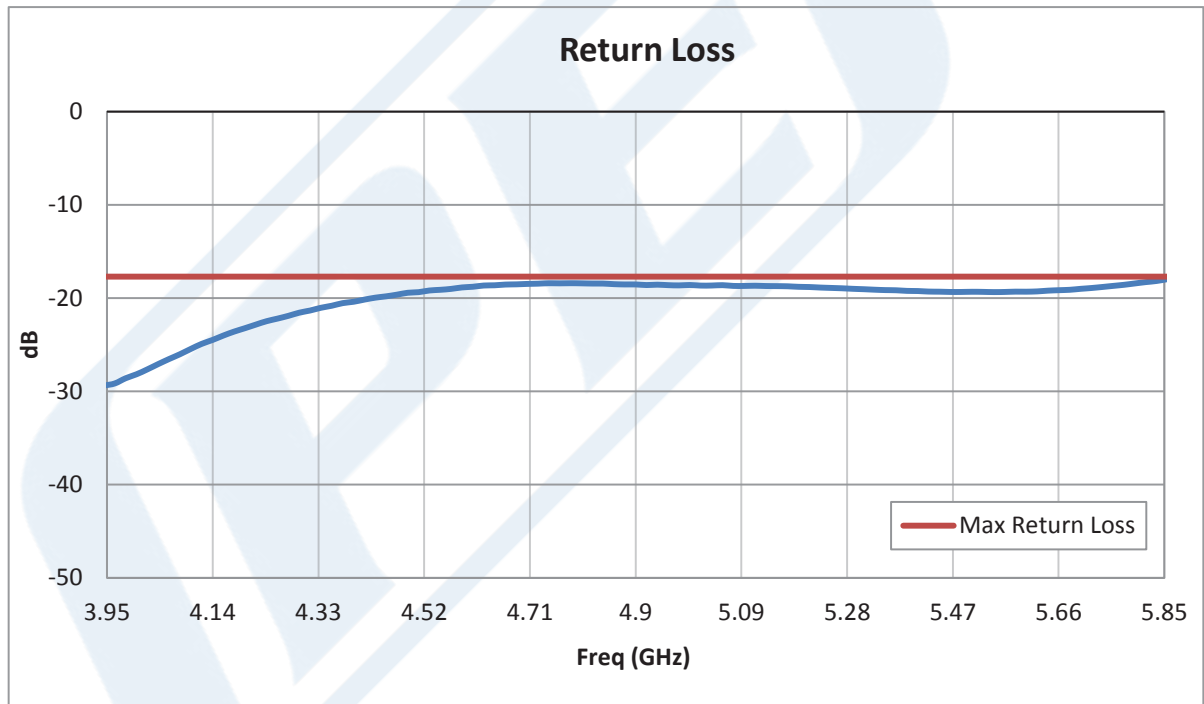
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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

Typical Performance Data



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WR-187 CMR-187 Flange to SMA 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 99.4% availability and are part of the broadest selection in the industry.

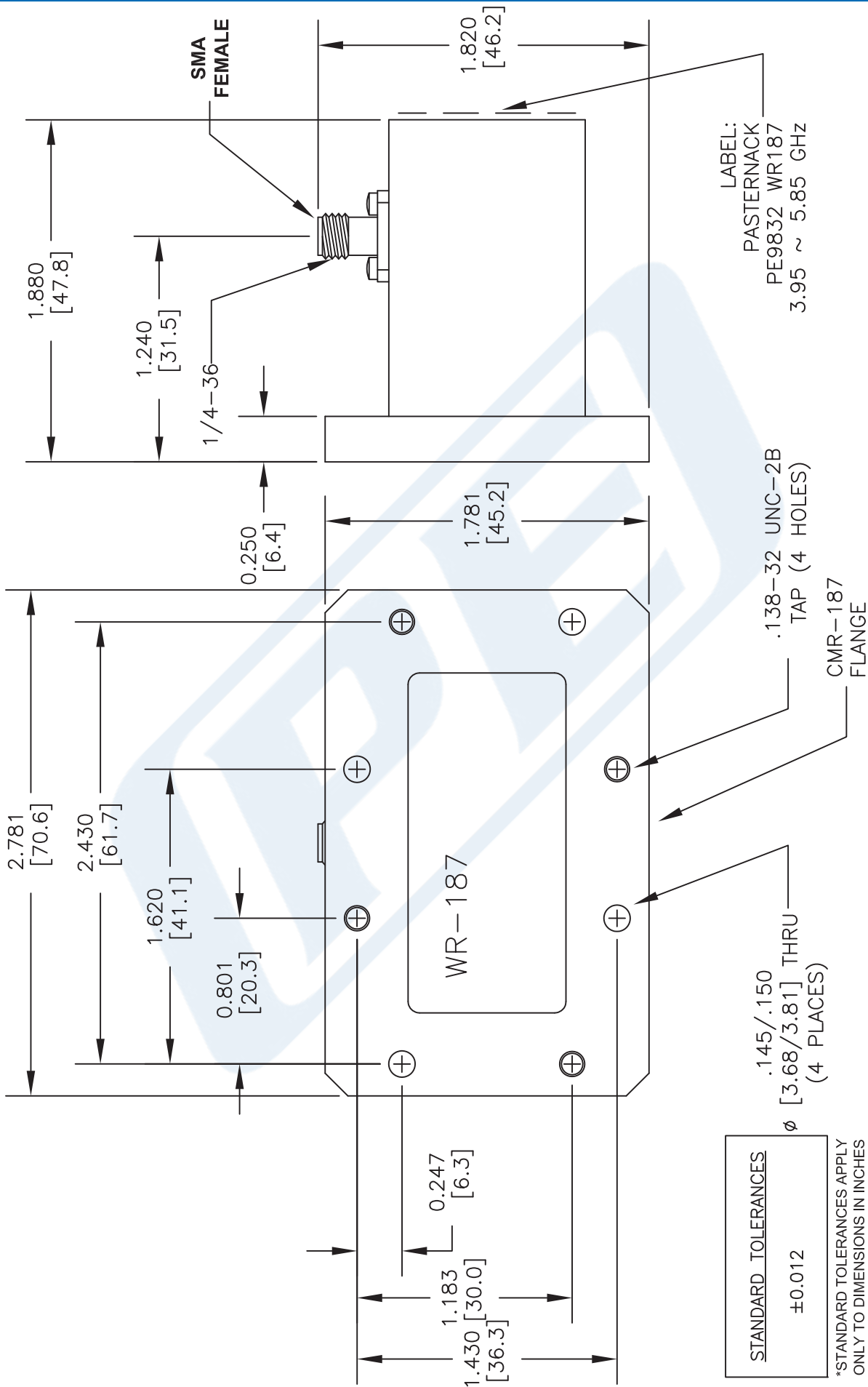
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URL: <https://www.pasternack.com/wr-187-sma-female-waveguide-coax-adapter-3.95-ghz-5.85-ghz-pe9832-p.aspx>

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.

PE9832 CAD Drawing

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



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
PE9832

FSCM NO. 53919

CAD FILE 040616

SCALE N/A

SIZE A

3045

PE PASTERNAK
 THE ENGINEERS' RF SOURCE

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