



WR-187 CPR-187G Grooved 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

PE9840

Features

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

Description

The PE9840 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 CPR-187G flange. The PE9840 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	CPR-187G
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

Size	
Length	1.88 in [47.75 mm]
Width	3.5 in [88.9 mm]
Height	2.93 in [74.42 mm]
Weight	0.371 lbs [168.28 g]

RF Connector

Connector Type	N Female
Body Material and Plating	Stainless Steel

Waveguide Interface

Waveguide Type	WR-187
Flange Type	CPR-187G
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 CPR-187G Grooved Flange to N Female Waveguide to Coax Adapter Operating From 3.95 GHz to 5.85 GHz, C Band PE9840](#)



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Environmental Specifications

Temperature

Operating Range -40 to +85 deg C

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

REACH Compliant

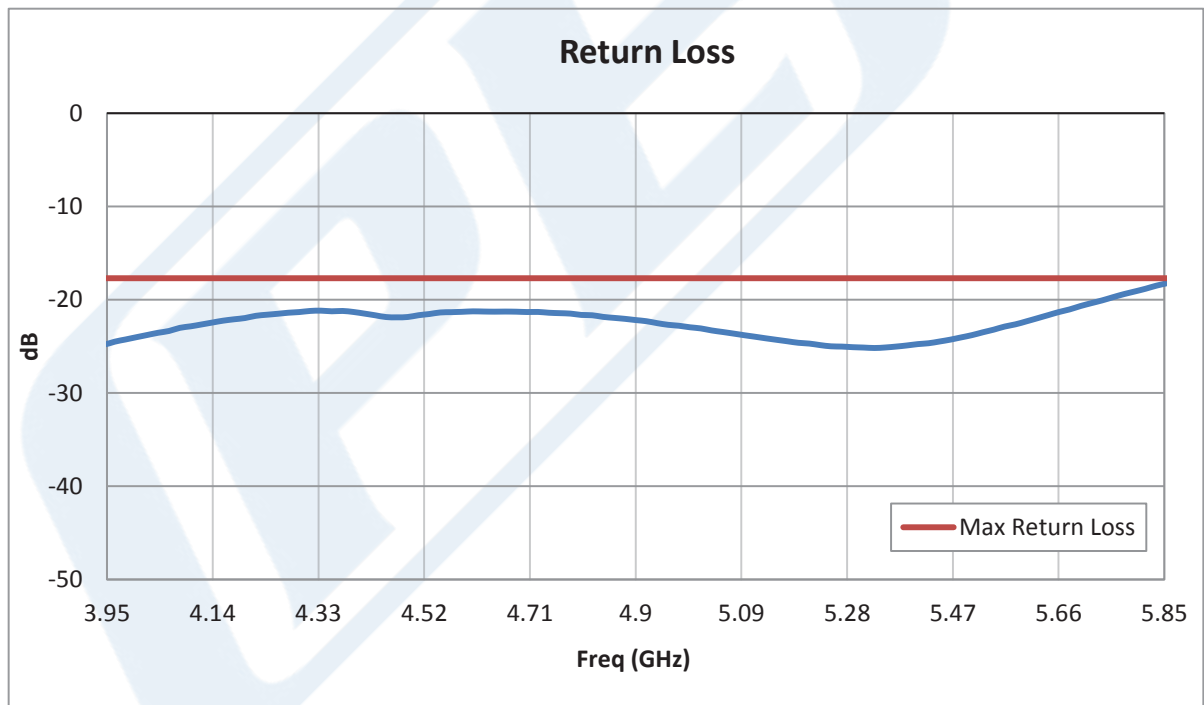
12/17/2015

Plotted and Other Data

Notes:

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

Typical Performance Data



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WR-187 CPR-187G Grooved 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 CPR-187G Grooved Flange to N Female Waveguide to Coax Adapter Operating From 3.95 GHz to 5.85 GHz, C Band PE9840](http://www.pasternack.com/grooved-wr-187-n-female-waveguide-coax-adapter-3.95-ghz-5.85-ghz-pe9840-p.aspx)

URL: <http://www.pasternack.com/grooved-wr-187-n-female-waveguide-coax-adapter-3.95-ghz-5.85-ghz-pe9840-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.

PE9840 CAD Drawing

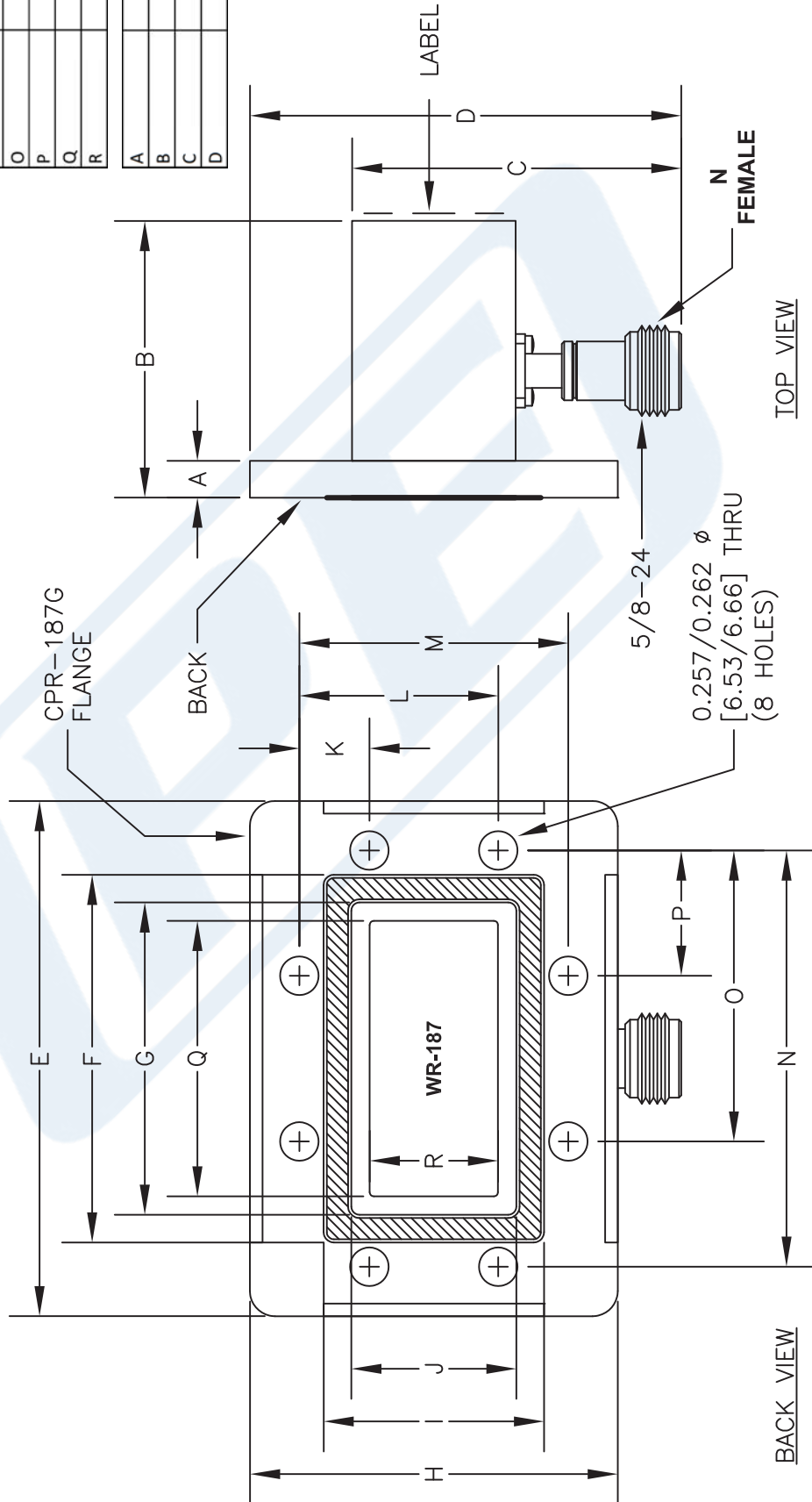
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LABEL:
PASTERNAK
PE9840 CPR-187
3.95 ~ 5.85 GHz

STANDARD TOLERANCES
DECIMAL
±0.012

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

CPR-187G		
Dimension	Inches	mm
E	3.500	88.90
F	2.498	63.45
G	2.122	53.90
H	2.500	63.50
I	1.498	38.05
J	1.122	28.50
K	0.476	12.09
L	1.352	34.34
M	1.828	46.43
N	2.828	71.83
O	1.977	50.22
P	0.851	21.62
Q	1.872	47.55
R	0.872	22.15
A	0.250	6.35
B	1.880	47.75
C	2.238	56.85
D	2.932	74.47



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
PE9840

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FSCM NO. 53919

CAD FILE 040114

SCALE N/A

SIZE A

2233