



## WR-340 CPR-340F Flange to N Female Waveguide to Coax Adapter Operating From 2.2 GHz to 3.3 GHz, S Band

### Waveguide to Coax Adapters Technical Data Sheet

PE9882

#### Features

- S Band, 2.2 to 3.3 GHz Frequency Range
- WR-340 Waveguide Interface with CPR-340F Flange
- N Female Coaxial Interface
- Comprehensive waveguide offerings also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

#### Description

The PE9882 is a waveguide to coaxial adapter operating in the S band with a 2.2 to 3.3 GHz frequency range. This adapter offers a WR-340 waveguide interface size coupled with a precision tolerance CPR-340F flange. The PE9882 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-340
Flange	CPR-340F
RF Connector	N Female
Impedance	50 Ohms
Body Geometry	Right Angle

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2.2		3.3	GHz
VSWR			1.25:1	
Insertion Loss			0.12	dB

#### Mechanical Specifications

<b>Size</b>	
Length	3.75 in [95.25 mm]
Width	5.44 in [138.18 mm]
Height	3.62 in [91.95 mm]
Weight	1.1 lbs [498.95 g]
<b>RF Connector</b>	
Connector Type	N Female
<b>Waveguide Interface</b>	
Waveguide Type	WR-340
Flange Type	CPR-340F
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-340 CPR-340F Flange to N Female Waveguide to Coax Adapter Operating From 2.2 GHz to 3.3 GHz, S Band PE9882](#)



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

RoHS Compliant

REACH Compliant

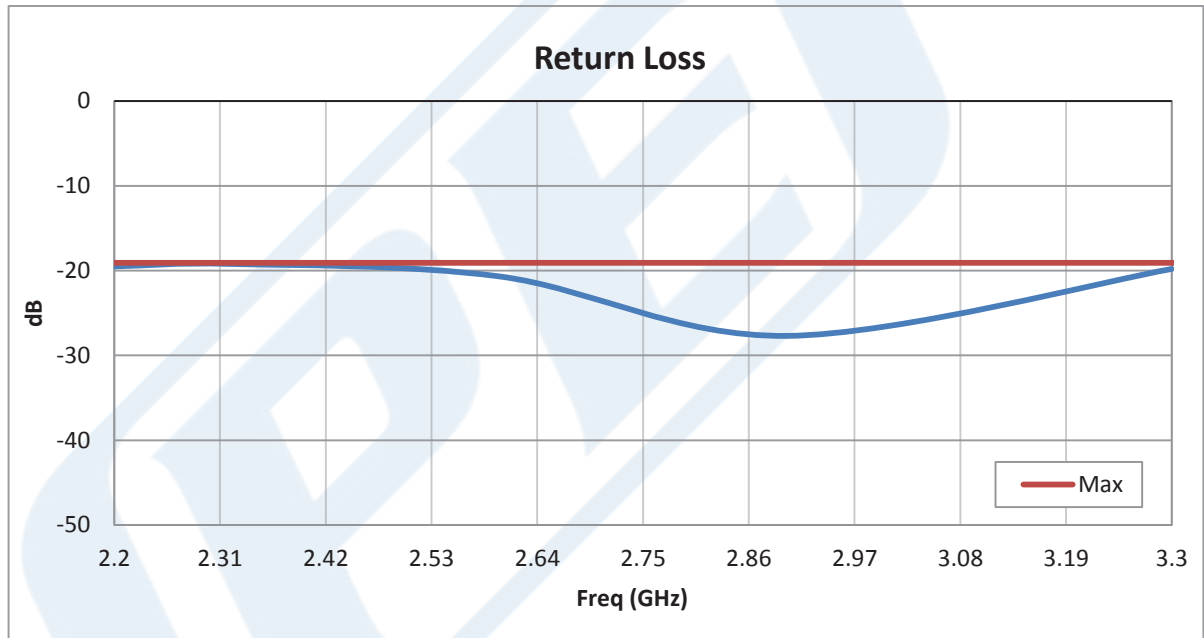
12/17/2014

**Plotted and Other Data**

Notes:

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

**Typical Performance Data**



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## WR-340 CPR-340F Flange to N Female Waveguide to Coax Adapter Operating From 2.2 GHz to 3.3 GHz, S Band

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WR-340 CPR-340F Flange to N Female Waveguide to Coax Adapter Operating From 2.2 GHz to 3.3 GHz, S 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-340 CPR-340F Flange to N Female Waveguide to Coax Adapter Operating From 2.2 GHz to 3.3 GHz, S Band PE9882](http://www.pasternack.com/wr-340-n-female-waveguide-coax-adapter-2.2-3.3-ghz-pe9882-p.aspx)

URL: <http://www.pasternack.com/wr-340-n-female-waveguide-coax-adapter-2.2-3.3-ghz-pe9882-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.

# PE9882 CAD Drawing

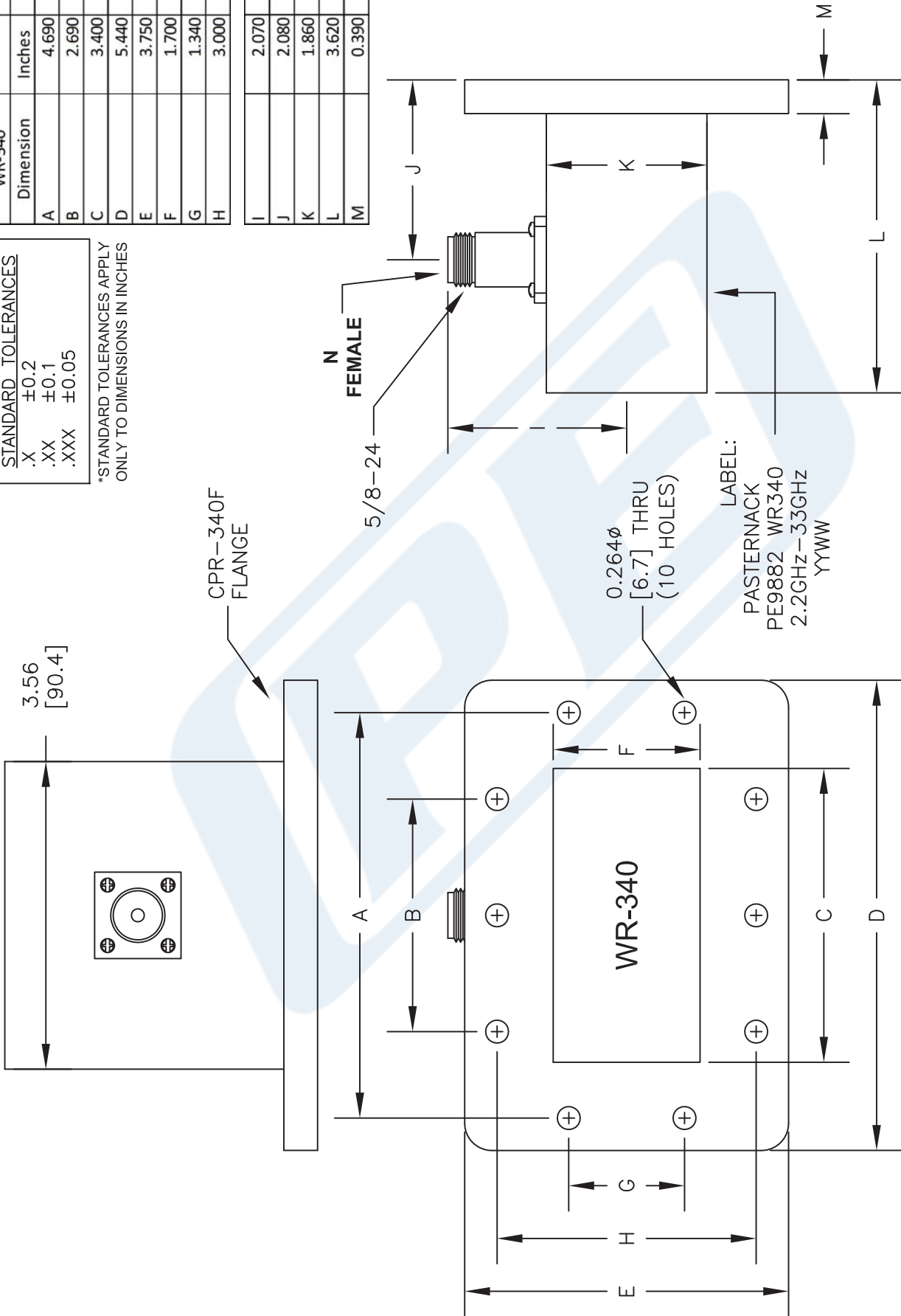
WR-340 CPR-340F Flange to N Female Waveguide to Coax Adapter Operating From 2.2 GHz to 3.3 GHz, S Band

WR-340		Dimension	Inches	mm
A			4.690	119.13
B			2.690	68.33
C			3.400	86.36
D			5.440	138.18
E			3.750	95.25
F			1.700	43.18
G			1.340	34.04
H			3.000	76.20

I			2.070	52.58
J			2.080	52.83
K			1.860	47.24
L			3.620	91.95
M			0.390	9.91

**STANDARD TOLERANCES**  
 .X ±0.2  
 .XX ±0.1  
 .XXX ±0.05

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



- 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  
**PE9882**

FSCM NO. 53919

CAD FILE 042216

SCALE N/A

SIZE A

3045

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