



WR-90 UDR100 Flange to N Female Waveguide to
Coax Adapter Operating From 8.2 GHz to 12.4 GHz

Waveguide to Coax Adapters Technical Data Sheet

PE9883

Configuration

Waveguide Size	WR-90
Flange	UDR100
RF Connector	N Female
Impedance	50 Ohms
Body Geometry	Right Angle

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	8.2		12.4	GHz
VSWR			1.25:1	

Mechanical Specifications

Size	
Length	1.5 in [38.1 mm]
Width	2.09 in [53.09 mm]
Height	1.6 in [40.64 mm]
Weight	0.137 lbs [62.14 g]

RF Connector	
Connector Type	N Female

Waveguide Interface	
Waveguide Type	WR-90
Flange Type	UDR100
Body Material and Plating	Aluminum

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

Plotted and Other Data

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-90 UDR100 Flange to N Female Waveguide to Coax Adapter Operating From 8.2 GHz to 12.4 GHz PE9883](#)



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WR-90 UDR100 Flange to N Female Waveguide to Coax Adapter Operating From 8.2 GHz to 12.4 GHz 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-90 UDR100 Flange to N Female Waveguide to Coax Adapter Operating From 8.2 GHz to 12.4 GHz PE9883](https://www.pasternack.com/wr-90-n-female-waveguide-coax-adapter-8.2-12.4-ghz-pe9883-p.aspx)

URL: <https://www.pasternack.com/wr-90-n-female-waveguide-coax-adapter-8.2-12.4-ghz-pe9883-p.aspx>

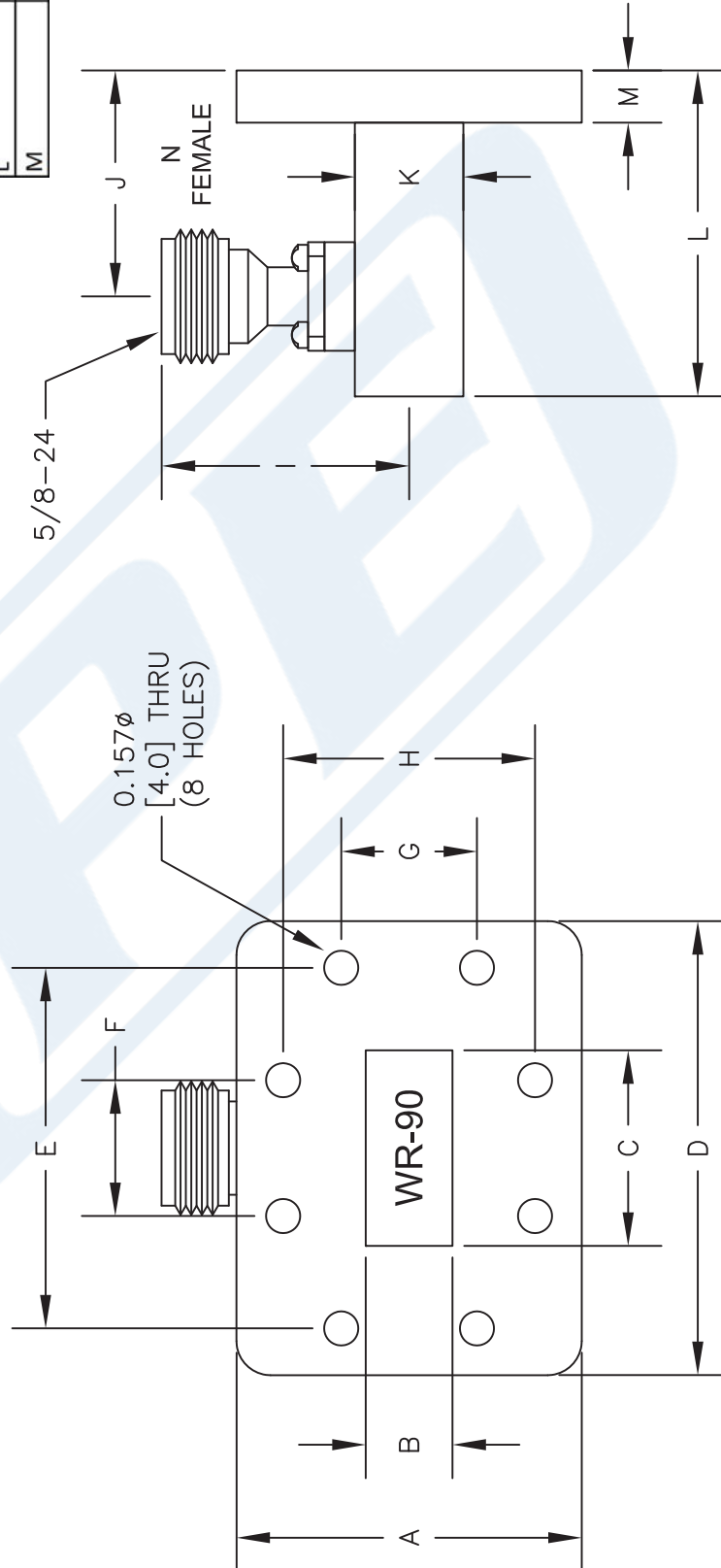
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

PE9883 CAD Drawing

WR-90 UDR100 Flange to N Female Waveguide to Coax
Adapter Operating From 8.2 GHz to 12.4 GHz

WR-90		Dimension	Inches	mm
		A	1.594	40.50
		B	0.400	10.16
		C	0.900	22.86
		D	2.094	53.19
		E	1.656	42.06
		F	0.625	15.88
		G	0.625	15.88
		H	1.156	29.36

I	1.140	28.96
J	1.040	26.42
K	0.500	12.70
L	1.500	38.10
M	0.236	6.00



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

PE9883

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FSCM NO. 53919

CAD FILE 072716

SCALE N/A

SIZE A

2233