



## WR-159 CPR-159G Grooved Flange to N Female Waveguide to Coax Adapter Operating From 4.9 GHz to 7.05 GHz

### Waveguide to Coax Adapters Technical Data Sheet

PE9839

#### Configuration

Waveguide Size	WR-159
Flange	CPR-159G
RF Connector	N Female
Impedance	50 Ohms
Body Geometry	Right Angle

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	4.9		7.05	GHz
VSWR			1.3:1	

#### Mechanical Specifications

<b>Size</b>	
Length	1.5 in [38.1 mm]
Width	3.19 in [81.03 mm]
Height	2.868 in [72.85 mm]
<b>RF Connector</b>	
Connector Type	N Female
Body Material and Plating	Stainless Steel
<b>Waveguide Interface</b>	
Waveguide Type	WR-159
Flange Type	CPR-159G
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-159 CPR-159G Grooved Flange to N Female Waveguide to Coax Adapter Operating From 4.9 GHz to 7.05 GHz PE9839](#)



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WR-159 CPR-159G Grooved Flange to N Female Waveguide to Coax Adapter Operating From 4.9 GHz to 7.05 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-159 CPR-159G Grooved Flange to N Female Waveguide to Coax Adapter Operating From 4.9 GHz to 7.05 GHz PE9839](https://www.pasternack.com/waveguide-to-n-female-frequency-range-490-705-ghz-pe9839-p.aspx)

URL: <https://www.pasternack.com/waveguide-to-n-female-frequency-range-490-705-ghz-pe9839-p.aspx>

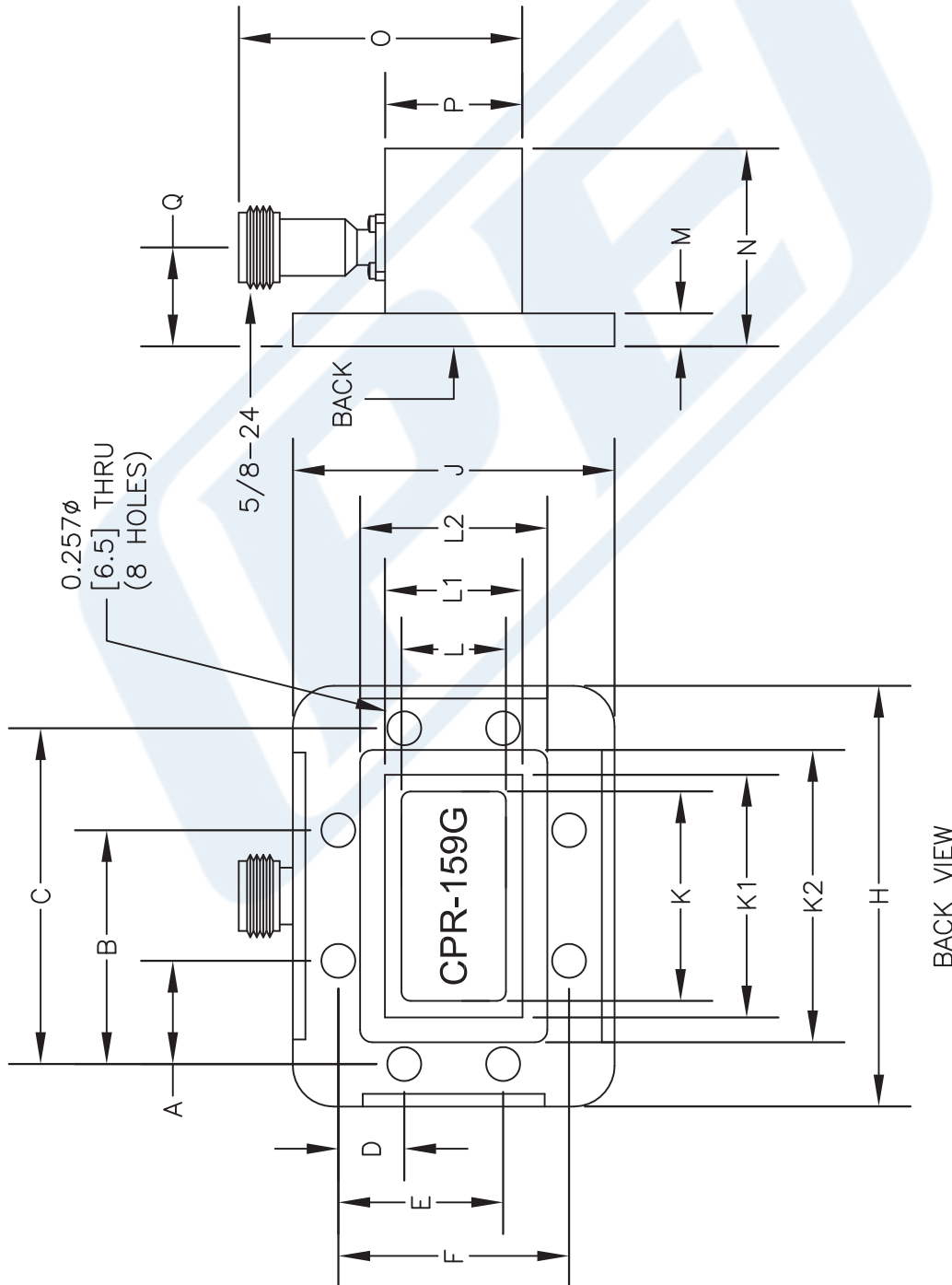
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such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

# PE9839 CAD Drawing

WR-159 CPR-159G Grooved Flange to N Female Waveguide to  
Coax Adapter Operating From 4.9 GHz to 7.05 GHz

CPR-159G	Dimension	Inches	mm
A		0.773	19.63
B		1.773	45.03
C		2.569	65.25
D		0.505	12.83
E		1.262	32.05
F		1.766	44.86
H		3.190	81.03
J		2.440	61.98
K		1.590	40.39
K1		1.840	46.74
K2		2.237	56.82
L		0.795	20.19
L1		1.043	26.49
L2		1.433	36.40

M	0.250	6.35
N	1.500	38.10
O	2.150	54.61
P	1.040	26.42
Q	0.750	19.05



DWG TITLE

**PE9839**

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].

CAGE CODE 53919

CAD FILE 060117

SCALE N/A

SIZE A

2233

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

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