



WR-229 CPR-229G Grooved Flange to N Female Waveguide to Coax Adapter Operating From 3.3 GHz to 4.9 GHz, S-C Band

Waveguide to Coax Adapters Technical Data Sheet

PE9877

**Features**

- S-C Band, 3.3 to 4.9 GHz Frequency Range
- WR-229 Waveguide Interface with CPR-229G Flange
- N Female Coaxial Interface
- Comprehensive waveguide offerings also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

**Description**

The PE9877 is a waveguide to coaxial adapter operating in the S-C band with a 3.3 to 4.9 GHz frequency range. This adapter offers a WR-229 waveguide interface size coupled with precision tolerance CPR-229G flange. The PE9877 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-229
Flange	CPR-229G
RF Connector	N Female
Impedance	50 Ohms
Body Geometry	Right Angle

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	3.3		4.9	GHz
VSWR			1.3:1	

**Mechanical Specifications**

<b>Size</b>	
Length	3.88 in [98.55 mm]
Width	3.21 in [81.53 mm]
Height	2.18 in [55.37 mm]
Weight	0.485 lbs [219.99 g]

**RF Connector**

Connector Type	N Female
Body Material and Plating	Stainless Steel

**Waveguide Interface**

Waveguide Type	WR-229
Flange Type	CPR-229G
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-229 CPR-229G Grooved Flange to N Female Waveguide to Coax Adapter Operating From 3.3 GHz to 4.9 GHz, S-C Band PE9877](#)





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

RoHS Compliant

REACH Compliant

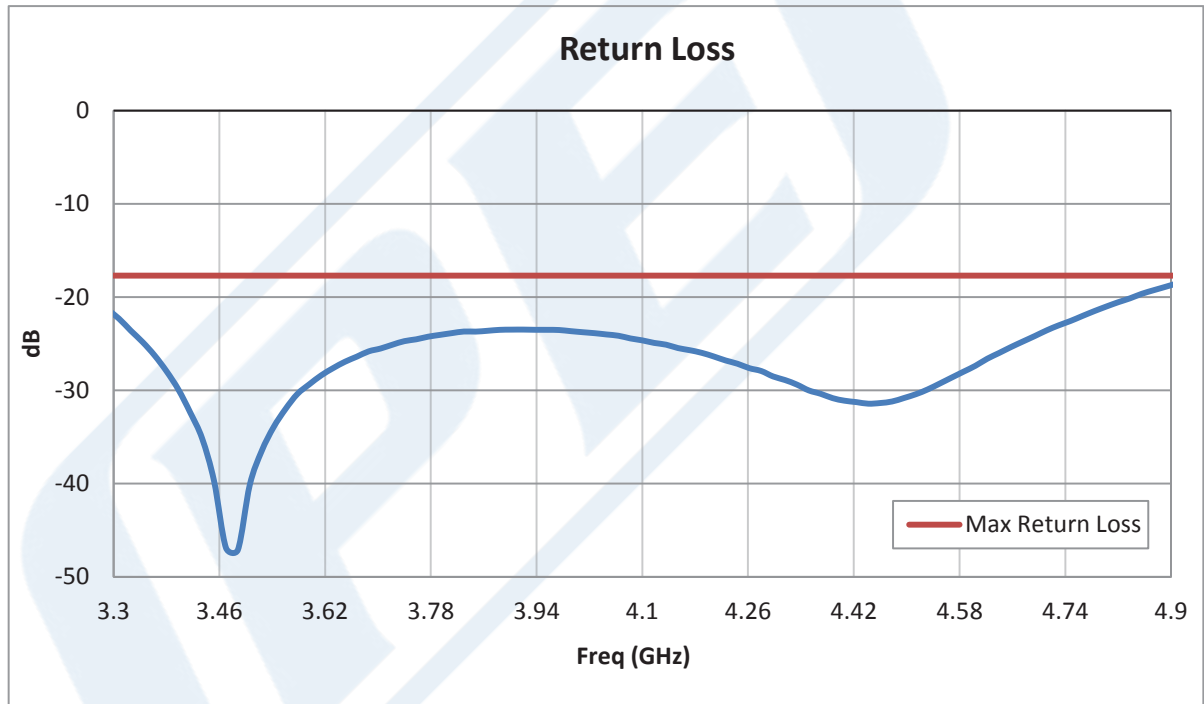
12/17/2015

**Plotted and Other Data**

Notes:

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

**Typical Performance Data**



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WR-229 CPR-229G Grooved Flange to N Female Waveguide to Coax Adapter Operating From 3.3 GHz to 4.9 GHz, S-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-229 CPR-229G Grooved Flange to N Female Waveguide to Coax Adapter Operating From 3.3 GHz to 4.9 GHz, S-C Band PE9877](http://www.pasternack.com/cpr-229g-n-female-waveguide-coax-adapter-3.3-4.9-ghz-grooved-pe9877-p.aspx)

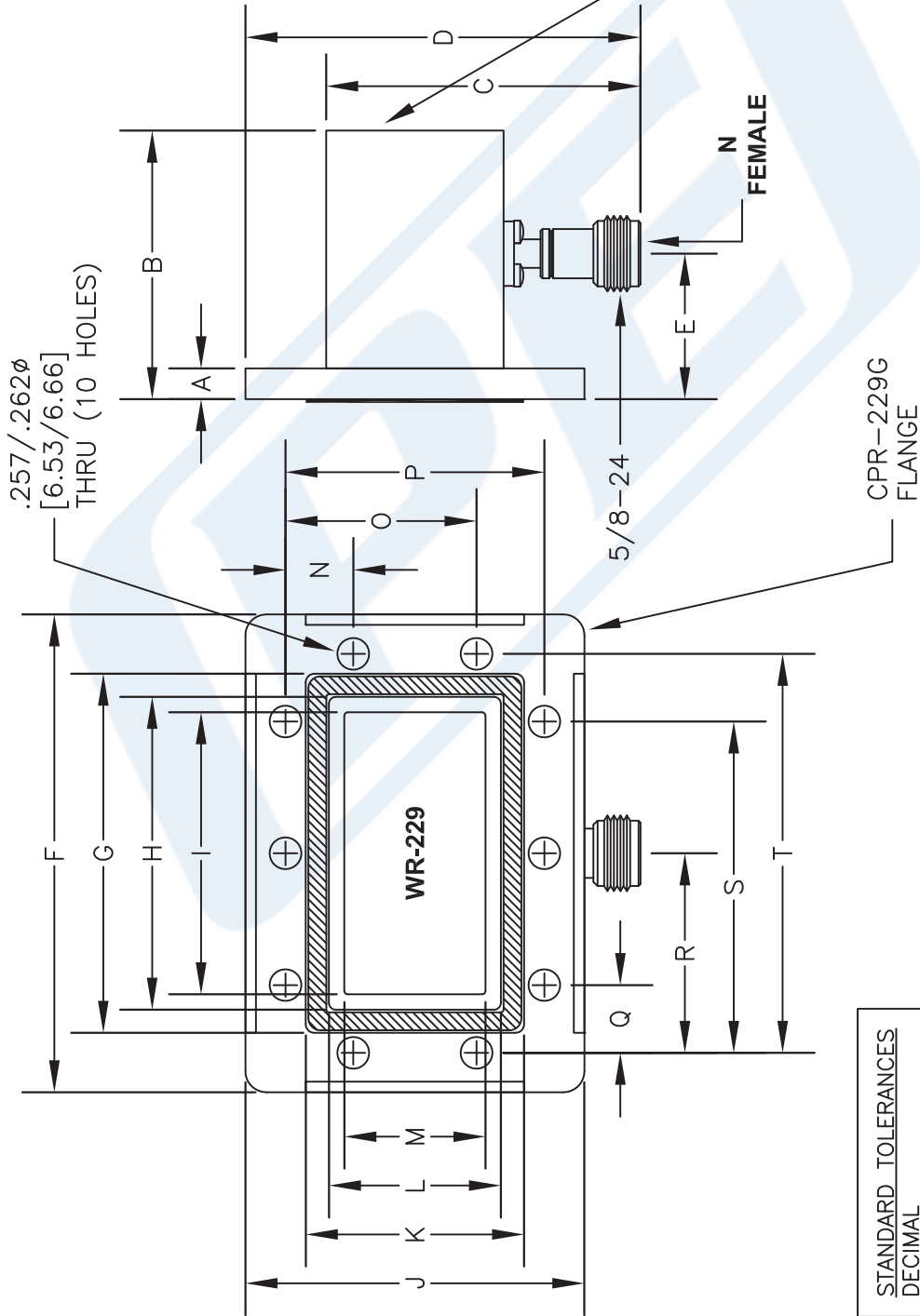
URL: <http://www.pasternack.com/cpr-229g-n-female-waveguide-coax-adapter-3.3-4.9-ghz-grooved-pe9877-p.aspx>

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.

# PE9877 CAD Drawing

WR-229 CPR-229G Grooved Flange to N Female Waveguide to Coax Adapter Operating From 3.3 GHz to 4.9 GHz

CPR-229G		Dimension	Inches	mm
F			3.880	98.55
G			2.916	74.07
H			2.540	64.52
I			2.290	58.17
J			2.750	69.85
K			1.771	44.98
L			1.395	35.43
M			1.145	29.08
N			0.550	13.97
O			1.550	39.37
P			2.100	53.34
Q			0.550	13.97
R			1.620	41.15
S			2.690	68.33
T			3.240	82.30
A			0.250	6.35
B			2.180	55.37
C			2.550	64.77
D			3.205	81.41
E			1.181	30.00



**STANDARD TOLERANCES**  
 DECIMAL ±0.01  
 .XX ±0.005  
 .XXX ±0.005

\*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  
**PE9877**

FSCM NO. 53919

CAD FILE 040716

SCALE N/A

SIZE A

3045

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

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