



WR-137 Flexible Straight Waveguide Section 36 Inch Length
with CPR-137G Flange Operating from 5.85 GHz to 8.2 GHz

TECHNICAL DATA SHEET

PE-W137SF006-36

The PE-W137SF006-36 is part of Pasternack's family of flexible, seamless waveguides which operates in the 5.85 to 8.20 GHz range. The waveguide body is made of silver plated brass. It can be bent in both the E and H planes without impairing VSWR or attenuation. The waveguide is covered by a neoprene jacket which protects the waveguide and provides mechanical support.

Features

- WR-137 waveguide
- Flexes in both the E and H plane
- 5.85 GHz to 8.20 GHz Frequency Range
- Brass flanges with a silver plated brass body
- Neoprene sleeve provides added protection and mechanical support

Applications

- Allows expansion/contraction due to thermal issues.
- Test Benches
- Microwave Radio
- Eliminates installation problems caused by misalignment.
- Pressurized waveguide systems
- Provides vibration isolation

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	5.85		8.2	GHz
VSWR		1.07:1		
Insertion Loss		0.18		dB

Mechanical Specifications

Waveguide Size	WR-137
Waveguide Design	Flexible
Section Length	36 in [914.4 mm]
E-Plane Minimum Bend Radius, One Time	1.18 in [29.97 mm]
H-Plane Minimum Bend Radius, One Time	1.97 in [50.04 mm]
Maximum Operating Pressure	30 psig

Description	Flange 1	Waveguide	Flange 2
Interface	CPR-137G	WR-137	CPR-137G
Material	Brass	Copper	Brass
Plating		Silver	
Color	Gold	Black	Gold

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

RoHS Compliant
REACH Compliant 12/17/2014

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-137 Flexible Straight Waveguide Section 36 Inch Length with CPR-137G Flange Operating from 5.85 GHz to 8.2 GHz PE-W137SF006-36



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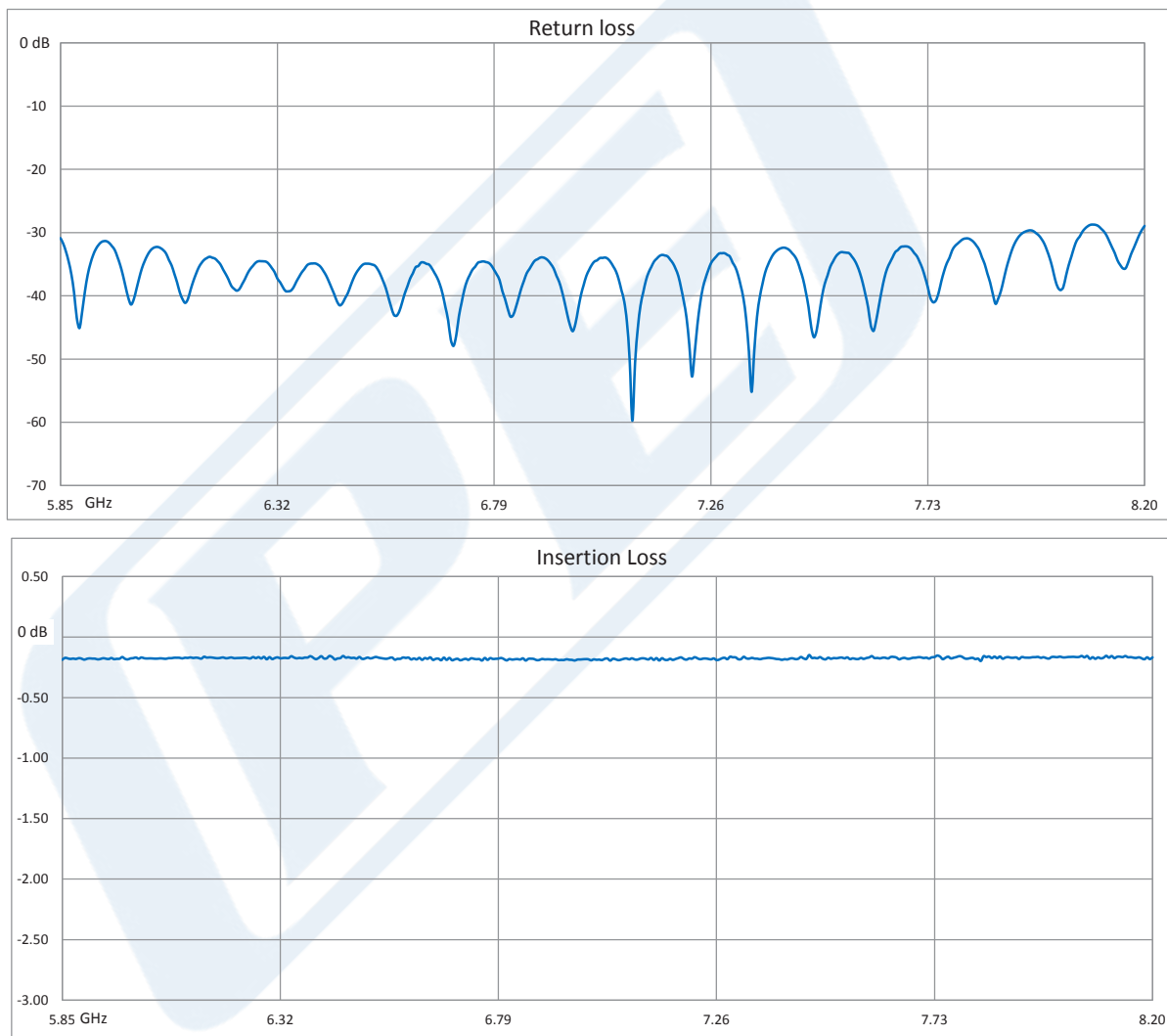
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Notes:

- Values at +25 °C, sea level

Power Data



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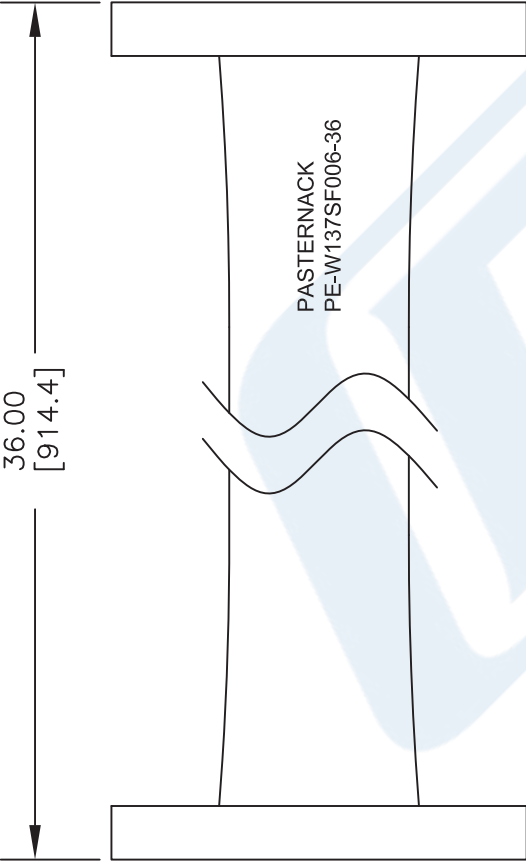
PE-W137SF006-36



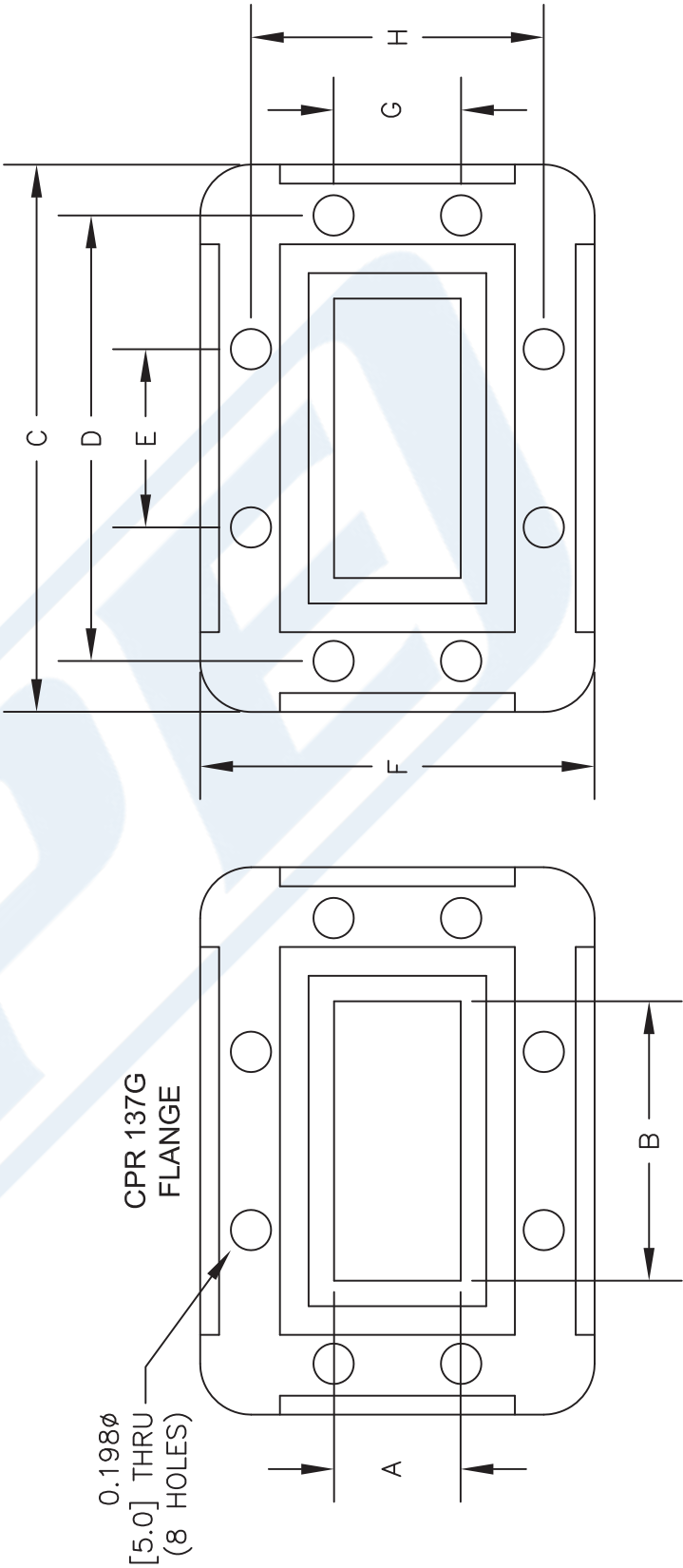
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REGISTERED FIRM
PASTERNAK ENTERPRISES, INC.
CERTIFICATE NO. 100000720000
ISSUED 08/2008

PE-W137SF006-36 CAD Drawing

WR-137 Flexible Straight Waveguide Section 36 Inch Length with
CPR-137G Flange Operating from 5.85 GHz to 8.2 GHz



CPR 137G	Dimension	Inches	mm
A		0.622	15.80
B		1.372	34.85
C		2.687	68.25
D		2.188	55.58
E		0.875	22.23
F		1.937	49.20
G		0.626	15.90
H		1.438	36.53



DWG TITLE

PE-W137SF006-36

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].

PASTERNAK
THE ENGINEER'S RF SOURCE

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FSCM NO. 53919

CAD FILE 101315

SCALE N/A

SIZE A

2233