



WR-112 Flexible Straight Waveguide Section 24 Inch Length
with CPR-112G Flange Operating from 7.05 GHz to 10 GHz

TECHNICAL DATA SHEET

PE-W112SF006-24

The PE-W112SF006-24 is part of Pasternack's family of flexible, seamless waveguides which operates in the 7.05 to 10 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-112 waveguide
- Flexes in both the E and H plane
- 7.05 GHz to 10 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	7.05		10	GHz
VSWR		1.07:1		
Insertion Loss		0.16		dB

Mechanical Specifications

Waveguide Size	WR-112
Waveguide Design	Flexible
Section Length	24 in [609.6 mm]
E-Plane Minimum Bend Radius, One Time	0.98 in [24.89 mm]
H-Plane Minimum Bend Radius, One Time	1.77 in [44.96 mm]
Maximum Operating Pressure	35 psig

Description	Flange 1	Waveguide	Flange 2
Interface	CPR-112G	WR-112	CPR-112G
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-112 Flexible Straight Waveguide Section 24 Inch Length with CPR-112G Flange Operating from 7.05 GHz to 10 GHz PE-W112SF006-24



WR-112 Flexible Straight Waveguide Section 24 Inch Length
with CPR-112G Flange Operating from 7.05 GHz to 10 GHz

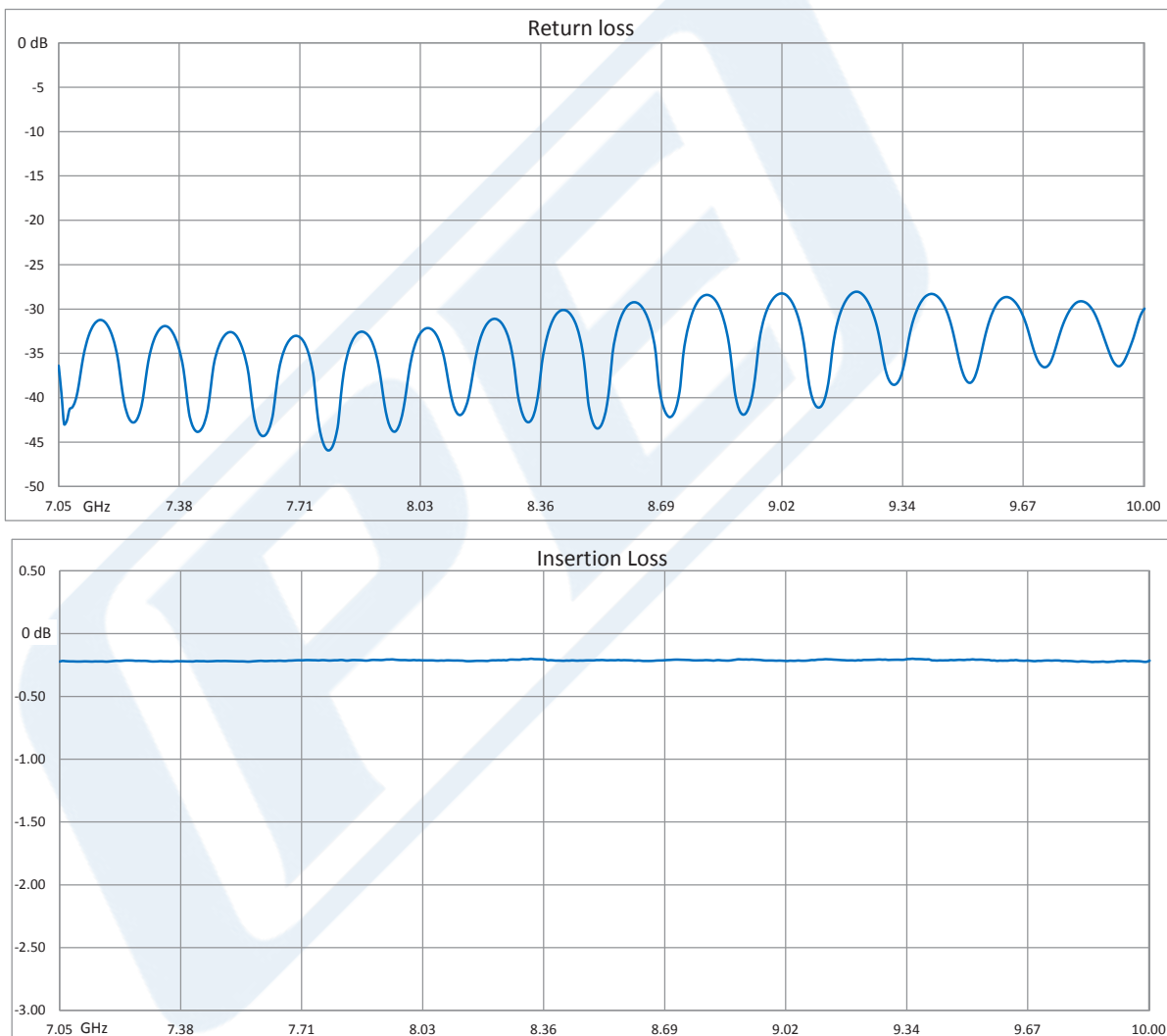
TECHNICAL DATA SHEET

PE-W112SF006-24

Notes:

- Values at +25 °C, sea level

Power Data

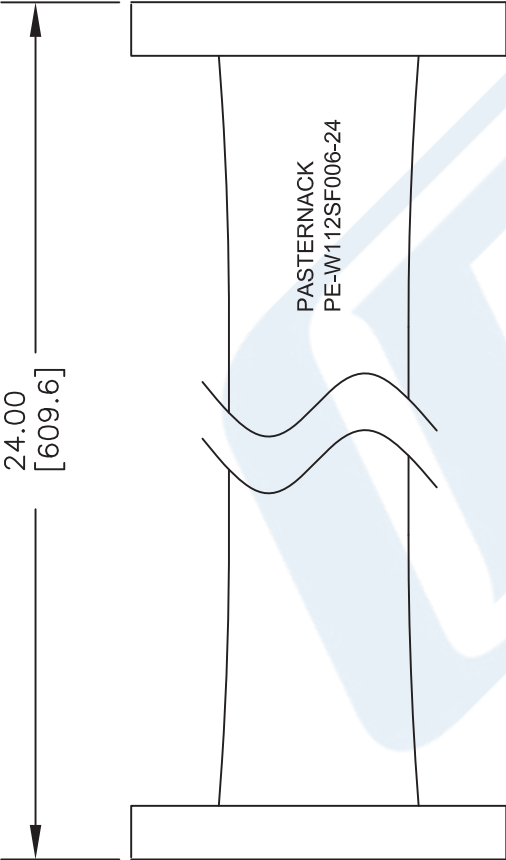


Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-112 Flexible Straight Waveguide Section 24 Inch Length with CPR-112G Flange Operating from 7.05 GHz to 10 GHz PE-W112SF006-24](#)

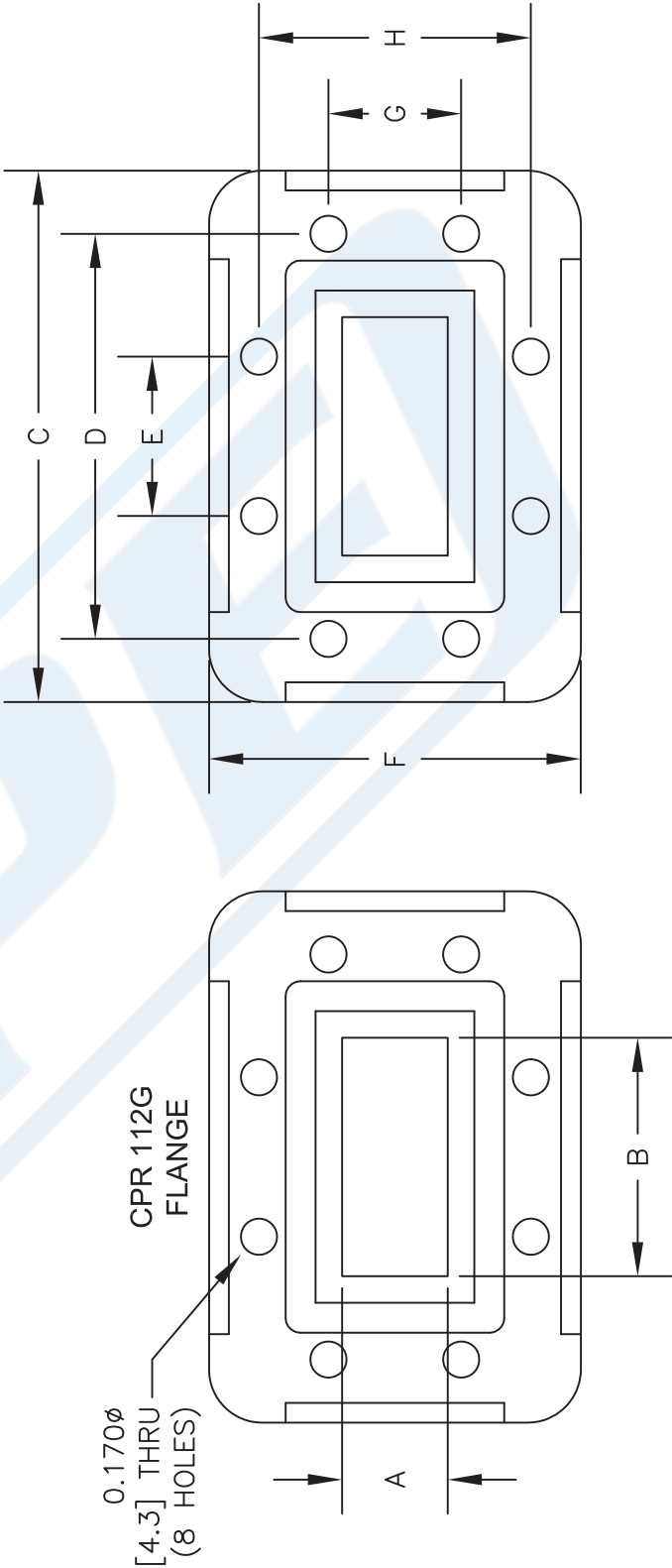
PE-W112SF006-24

PE-W112SF006-24 CAD Drawing

WR-112 Flexible Straight Waveguide Section 24 Inch Length with
CPR-112G Flange Operating from 7.05 GHz to 10 GHz



CPR 112G	Dimension	Inches	mm
A		0.497	12.62
B		1.122	28.50
C		2.500	63.50
D		1.906	48.41
E		0.750	19.05
F		1.750	44.45
G		0.625	15.88
H		1.280	32.51



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
PE-W112SF006-24

FSCM NO. 53919

SIZE A

2233

PASTERNAK
THE ENGINEER'S RF SOURCE

Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com