



WR-112 40 dB Waveguide Crossguide Coupler, CPR-112G Grooved Flange, 7.05 GHz to 10 GHz

TECHNICAL DATA SHEET

PEWCP1069

The PEWCP1069 is a WR-112 crossguide waveguide coupler that operates in the frequency range of 7.05 to 10 GHz. This Waveguide component has a typical VSWR of 1.05:1. These designs are made of painted copper alloy and incorporate a cross wall configuration that result in a mid-band nominal coupling value of 20, 30, 40 or 50 dB. Common applications for this component would be where power measurements are required within a system for measuring/sampling power or frequency monitoring with minimal signal loss to the main transmission line. This WR-112 waveguide coupler uses grooved CPR-112 flanges. Pasternack offers a complete family of waveguide Crossguide and Top wall couplers that are in-stock and ship same day.

Features

- Crossguide Waveguide Coupler
- 40 dB Nominal Coupling Level
- 7.05 GHz to 10 GHz Frequency Range
- Body and Flanges made of Copper Alloy
- Low VSWR
- Grooved CPR

Applications

- Test Benches
- Radar
- Satellite
- Microwave Radio
- Attenuation Measurements
- Power Measurements
- Source Leveling

Electrical Specifications (Values at 25°C, sea level)

Description	Minimum	Typical	Maximum	Units
Frequency Range	7.05		10	GHz
Directivity		20		dB
Insertion Loss		0.1		dB
Main Line VSWR		1.05:1		
Nominal Coupling Level		40		dB

Mechanical Specifications

Size	
Length	4 in [101.6 mm]
Width/Dia.	4 in [101.6 mm]
Weight	1.69 lbs [766.57 g]

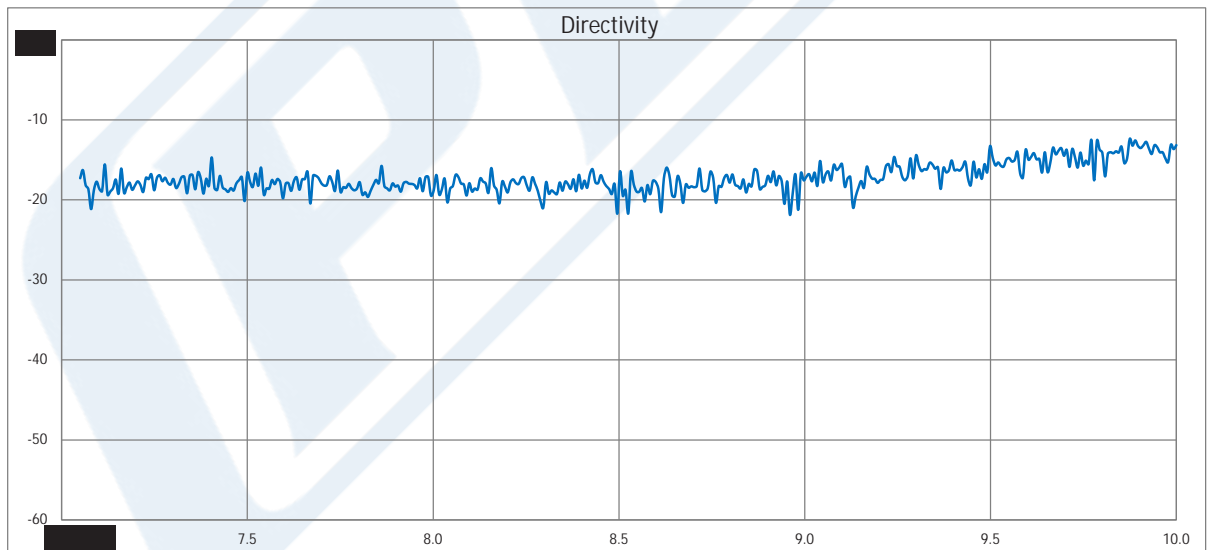
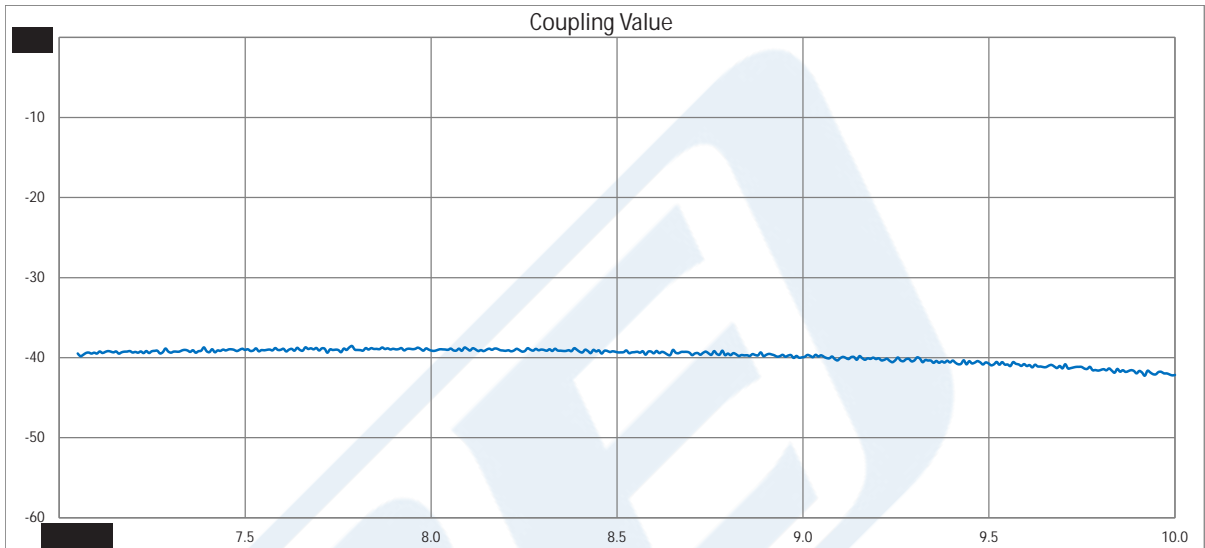
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-112 40 dB Waveguide Crossguide Coupler, CPR-112G Grooved Flange, 7.05 GHz to 10 GHz PEWCP1069](#)



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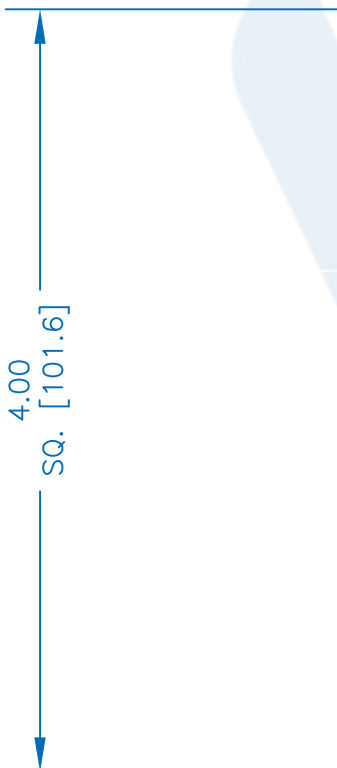


PEWCP1069 CAD Drawing

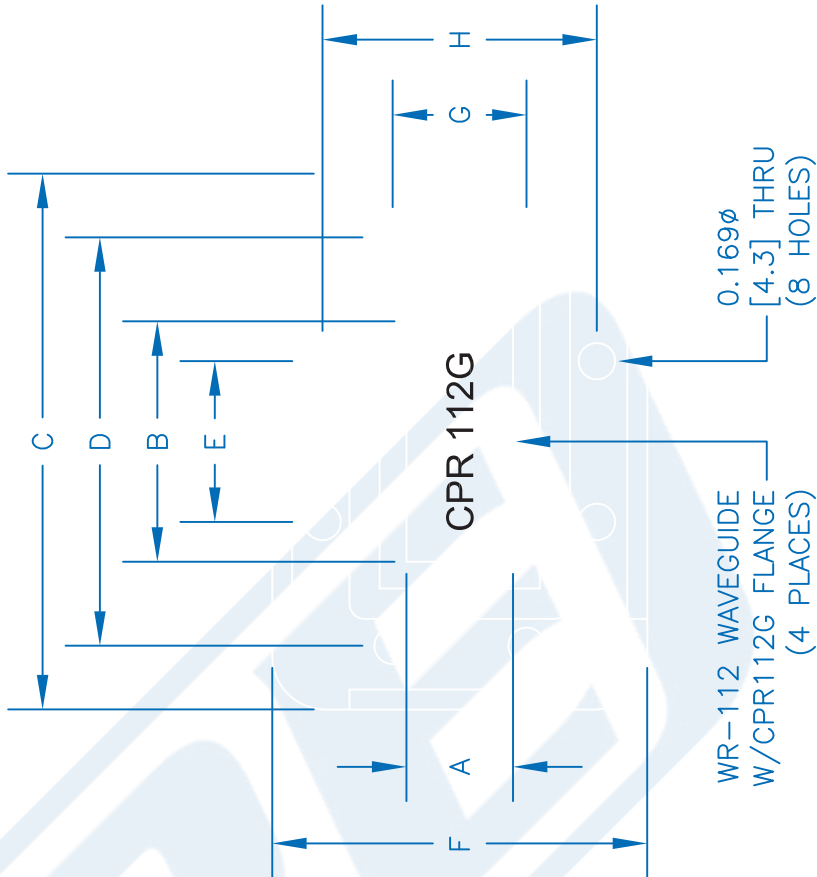
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CPR 112G Dimension	Inches	mm
A	0.497	12.62
B	1.122	28.50
C	2.500	63.50
D	1.906	48.41
E	0.750	19.05
F	1.752	44.50
G	0.625	15.88
H	1.280	32.51



PASTERNAK
PEWCP1069



DWG TITLE

PEWCP1069

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].

FSCM NO. 53919

CAD FILE 050216

SCALE N/A

SIZE A

2233



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