

**WR-112 to N Female Waveguide to Coax Adapter
 CPR-112G Grooved Flange With 7.05 GHz to 10 GHz
 Frequency Range For H Band**

The FMWCA1013 is a waveguide to coaxial adapter operating in the H Band with a 7.05 to 10 GHz frequency range. This adapter offers a WR-112 waveguide interface size using a Grooved CPR-112G Flange. The FMWCA1013 is constructed of Copper Alloy and painted to ensure durability. The coaxial connector offered by this adapter uses a N Female Nickel Plated Brass Connector.

Configuration

Waveguide Size	WR-112
Flange	CPR-112G
RF Connector	N Female
Impedance	50 Ohms
Body Geometry	Right Angle

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	7.05		10	GHz
VSWR			1.25:1	

Mechanical Specifications

Weight 0.456 lbs [206.84 g]

RF Connector

Connector Type N Female
 Body Material and Plating Brass, Nickel

Waveguide Interface

Waveguide Type WR-112
 Flange Type CPR-112G
 Body Material and Plating Copper, Paint

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:
 • Values at +25 °C, sea level unless stated otherwise



Features:

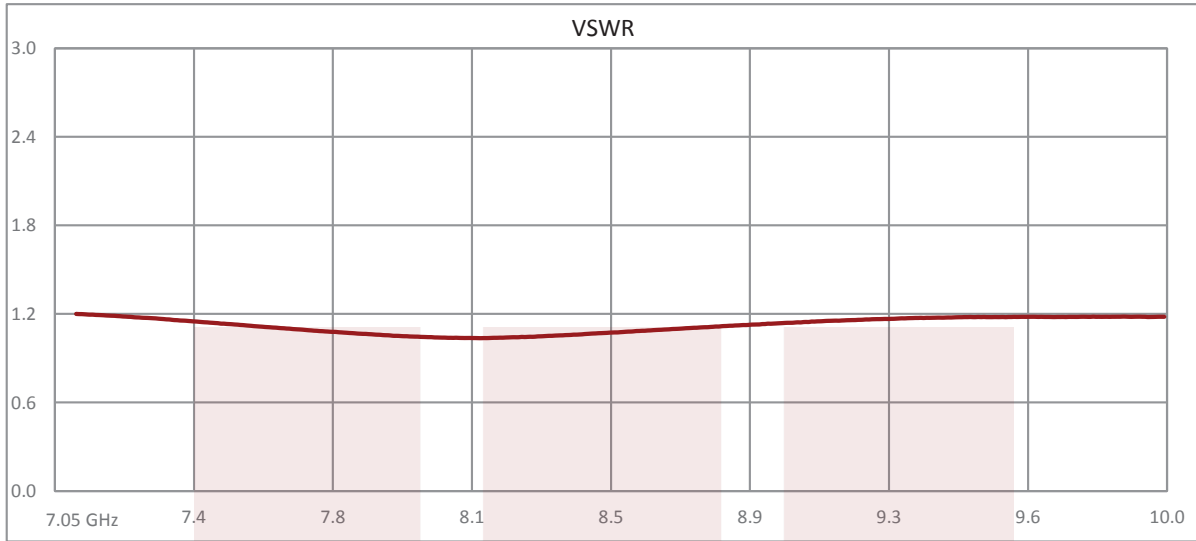
- H Band
- 7.05 to 10 GHz Frequency Range
- WR-112 Waveguide
- Grooved CPR-112 Flange
- N Female

Applications:

- Test Benches
- Radar
- Satellite
- Microwave Radio Systems
- Military and Space
- Communication Systems

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Typical Performance Data

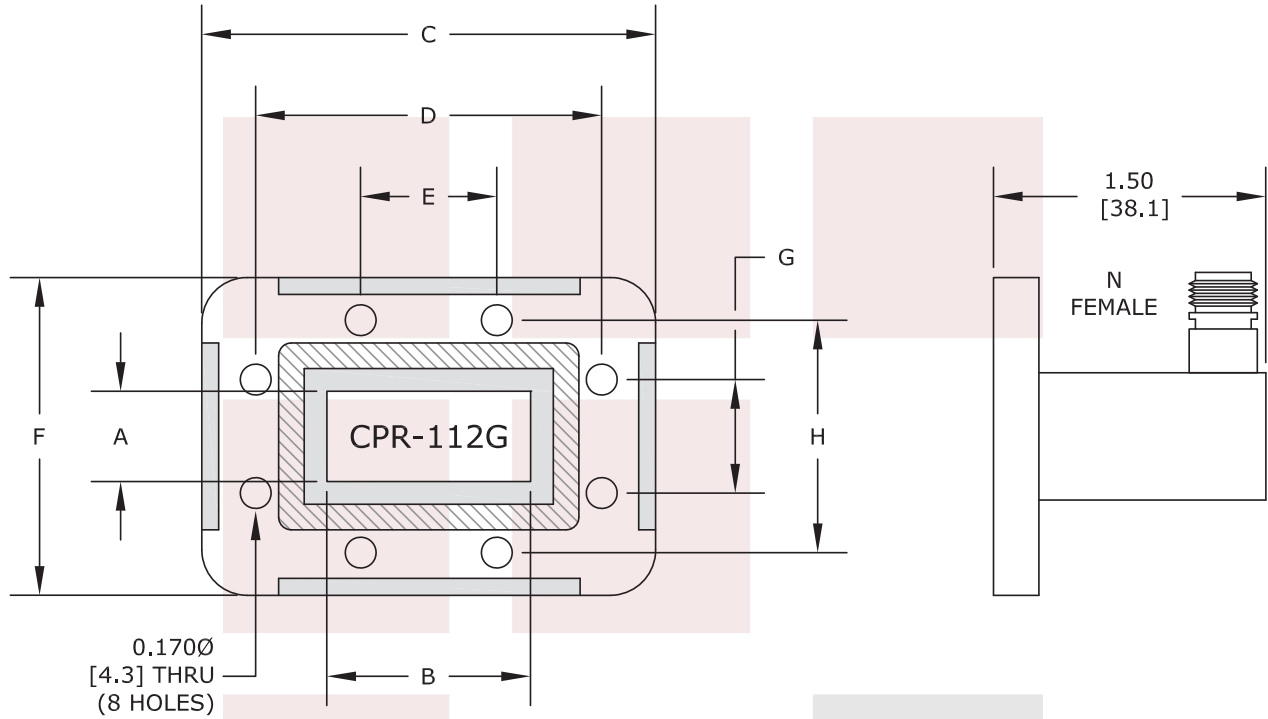


WR-112 to N Female Waveguide to Coax Adapter CPR-112G Grooved Flange With 7.05 GHz to 10 GHz Frequency Range For H Band from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-112 to N Female Waveguide to Coax Adapter CPR-112G Grooved Flange With 7.05 GHz to 10 GHz Frequency Range For H Band FMWCA1013](#)

URL: <https://www.fairviewmicrowave.com/wr-112-n-female-waveguide-coax-adapter-cpr-112g-grooved-10-ghz-fmw-ca1013-p.aspx>

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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.

DECIMALS	ANGLES
.X ±.030	±1/2 DEG.
.XX ±.015	FRACTIONS
.XXX ±.005	±1/32

* THESE DIMENSIONS AND TOLERANCES
SUPERSEDE NOTE #1 ON TITLE BLOCK.

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

FAIRVIEW MICROWAVE INC.		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].			
ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		DWG NO		CAGE CODE	
TITLE WR-112 to N Female Waveguide to Coax Adapter CPR-112G Grooved Flange With 7.05 GHz to 10 GHz Frequency Range For H Band		FMWCA1013		3FKR5	
		CAD FILE	092616	SHEET	SCALE
		SIZE	A	2233	