

WR-112 to N Female Waveguide to Coax Adapter UG-51/U Square Cover Flange With 7.05 GHz to 10 GHz Frequency Range For H Band

The FMWCA1012 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 standard Square Cover Flange. The FMWCA1012 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	UG-51/U Square Cover
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 0.513 lbs [232.69 g]

RF Connector

Connector Type N Female
 Body Material and Plating Brass, Nickel

Waveguide Interface

Waveguide Type WR-112
 Flange Type Square Cover
 Flange Designation UG-51/U
 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:

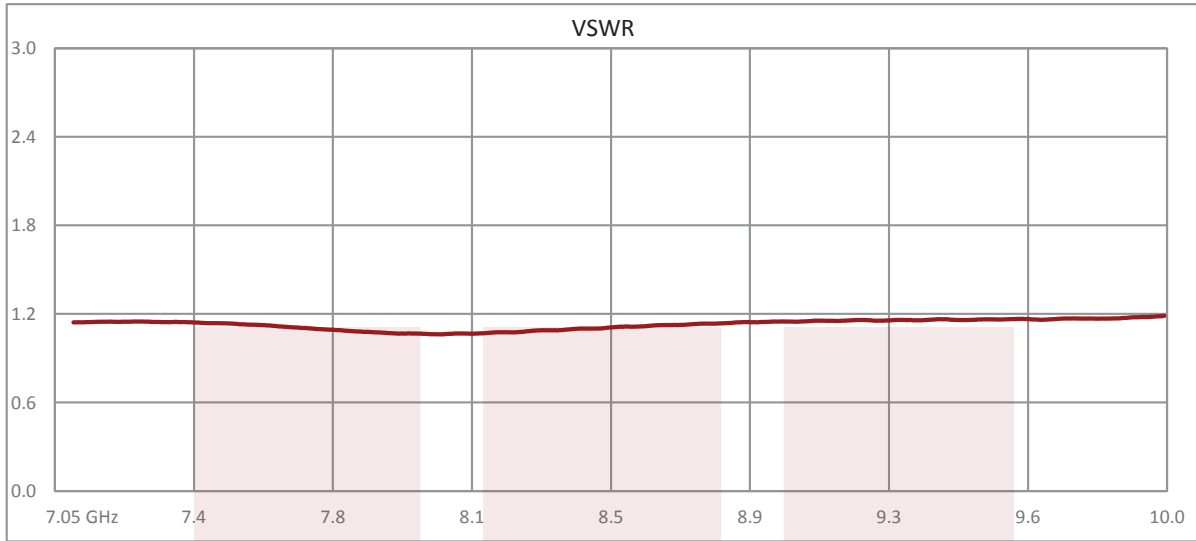
- H Band
- 7.05 to 10 GHz Frequency Range
- WR-112 Waveguide Interface
- Standard Square Cover Flange
- N Female RF Interface

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 UG-51/U Square Cover 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 UG-51/U Square Cover Flange With 7.05 GHz to 10 GHz Frequency Range For H Band FMWCA1012](https://www.fairviewmicrowave.com/wr-112-n-female-waveguide-coax-adapter-ug51-square-10-ghz-fmwca1012-p.aspx)

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