

# WR-90 to N Female Waveguide to Coax Adapter CPR-90G Grooved Flange With 8.2 GHz to 12.4 GHz Frequency Range For X Band

The FMWCA1009 is a waveguide to coaxial adapter operating in the X Band with a 8.2 to 12.4 GHz frequency range. This adapter offers a WR-90 waveguide interface size using a Grooved CPR-90G Flange. The FMWCA1009 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-90
Flange	CPR-90G
RF Connector	N Female
Impedance	50 Ohms
Body Geometry	Right Angle

### **Electrical Specifications**

Description	Min	Тур	Max	Units
Frequency Range	8.2		12.4	GHz
VSWR			1.25:1	

### **Mechanical Specifications**

Weight

**RF Connector** Connector Type Body Material and Plating

#### Waveguide Interface Waveguide Type

Flange Type Body Material and Plating WR-90 CPR-90G Copper, Paint

N Female

Brass, Nickel

0.354 lbs [160.57 g]

## **Compliance Certifications** (see product page for current document)

### **Plotted and Other Data**

Notes:

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

# FMWCA1009 DATA SHEET



## Features:

- X Band
- 8.2 to 12.4 GHz Frequency Range
- WR-90 Waveguide Interface
- Grooved CPR-90G Flange
- N Female RF Interface

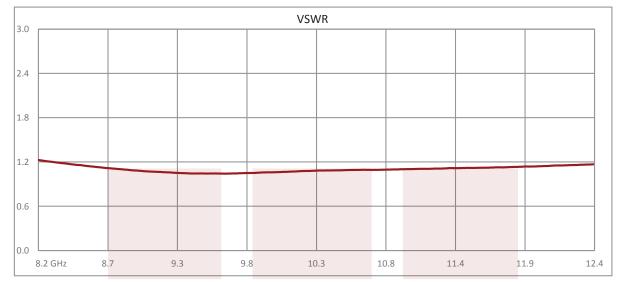
## **Applications:**

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

Fairview Microwave 1130 Junction Dr. #100 Allen, TX 75013 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689 www.fairviewmicrowave.com sales@fairviewmicrowave.com







#### **Typical Performance Data**

WR-90 to N Female Waveguide to Coax Adapter CPR-90G Grooved Flange With 8.2 GHz to 12.4 GHz Frequency Range For X 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.

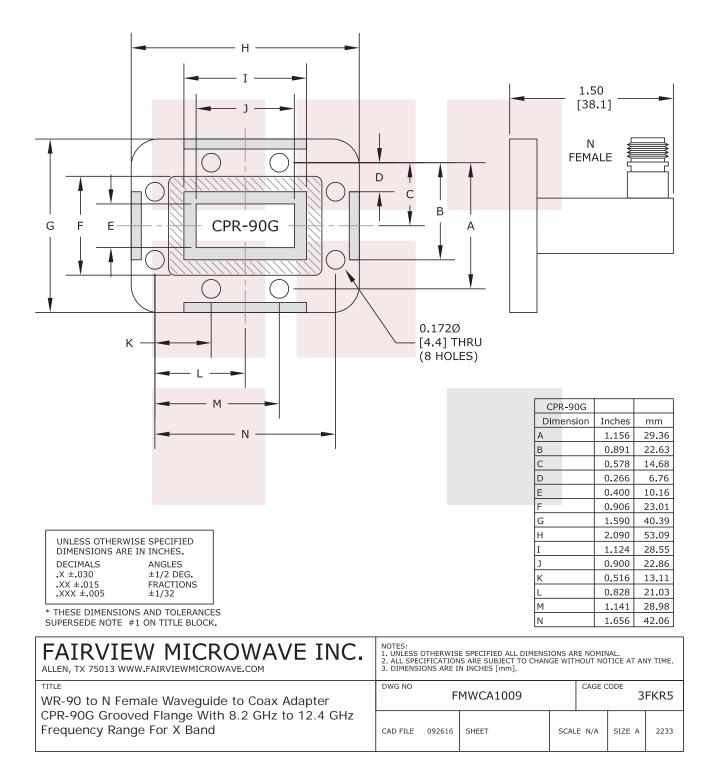
For additional information on this product, please click the following link: WR-90 to N Female Waveguide to Coax Adapter CPR-90G Grooved Flange With 8.2 GHz to 12.4 GHz Frequency Range For X Band FMWCA1009

URL: https://www.fairviewmicrowave.com/wr-90-n-female-waveguide-coax-adapter-cpr-90g-grooved-12.4-ghzfmwca1009-p.aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.

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