

WR-90 to Type N Female Waveguide to Coax Adapter CMR-90 with 8.2 GHz to 12.4 GHz X Band in Aluminum, Paint

The FMWCA1033 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 standard CMR-90 Flange. The FMWCA1033 is constructed of Aluminum Alloy and painted to ensure durability. The coaxial connector offered by this adapter uses a N Female Connector.

Configuration

Waveguide Size	WR-90
Flange	CMR-90
RF Connector	N Female
Impedance	50 Ohms
Body Geometry	Right Angle

Electrical Specifications

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

Mechanical Specifications

RF Connector
 Connector Type

N Female

Waveguide Interface

Waveguide Type: WR-90
 Flange Type: CMR-90
 Body Material and Plating: Aluminum, Paint

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

Plotted and Other Data

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



Features:

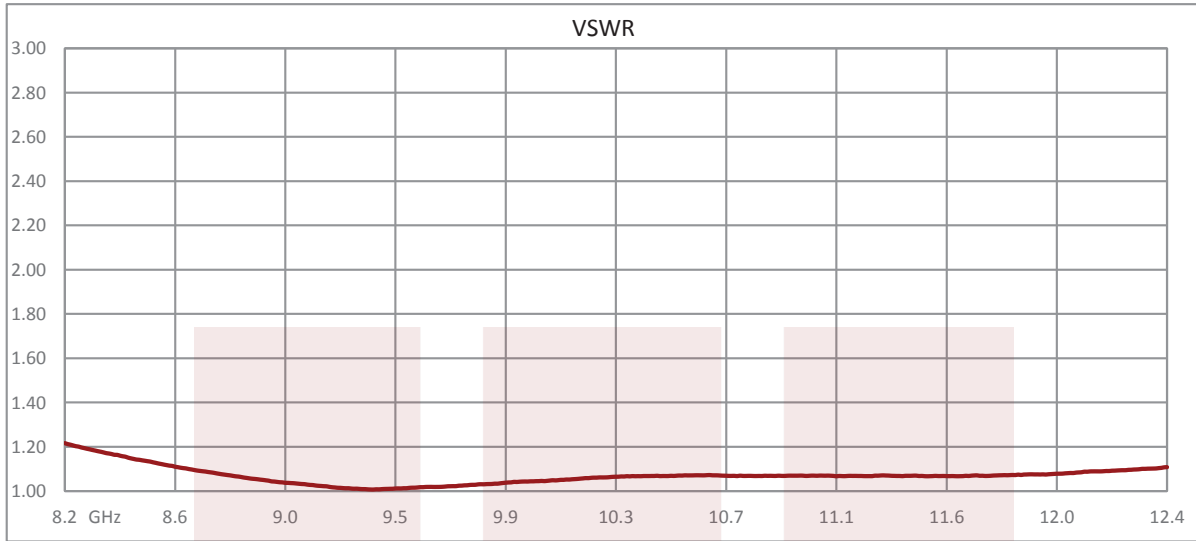
- X Band
- 8.2 to 12.4 GHz Frequency Range
- WR-90 Waveguide Interface
- CMR-90 Flange
- N Female RF Interface
- Right Angle

Applications:

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

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Typical Performance Data

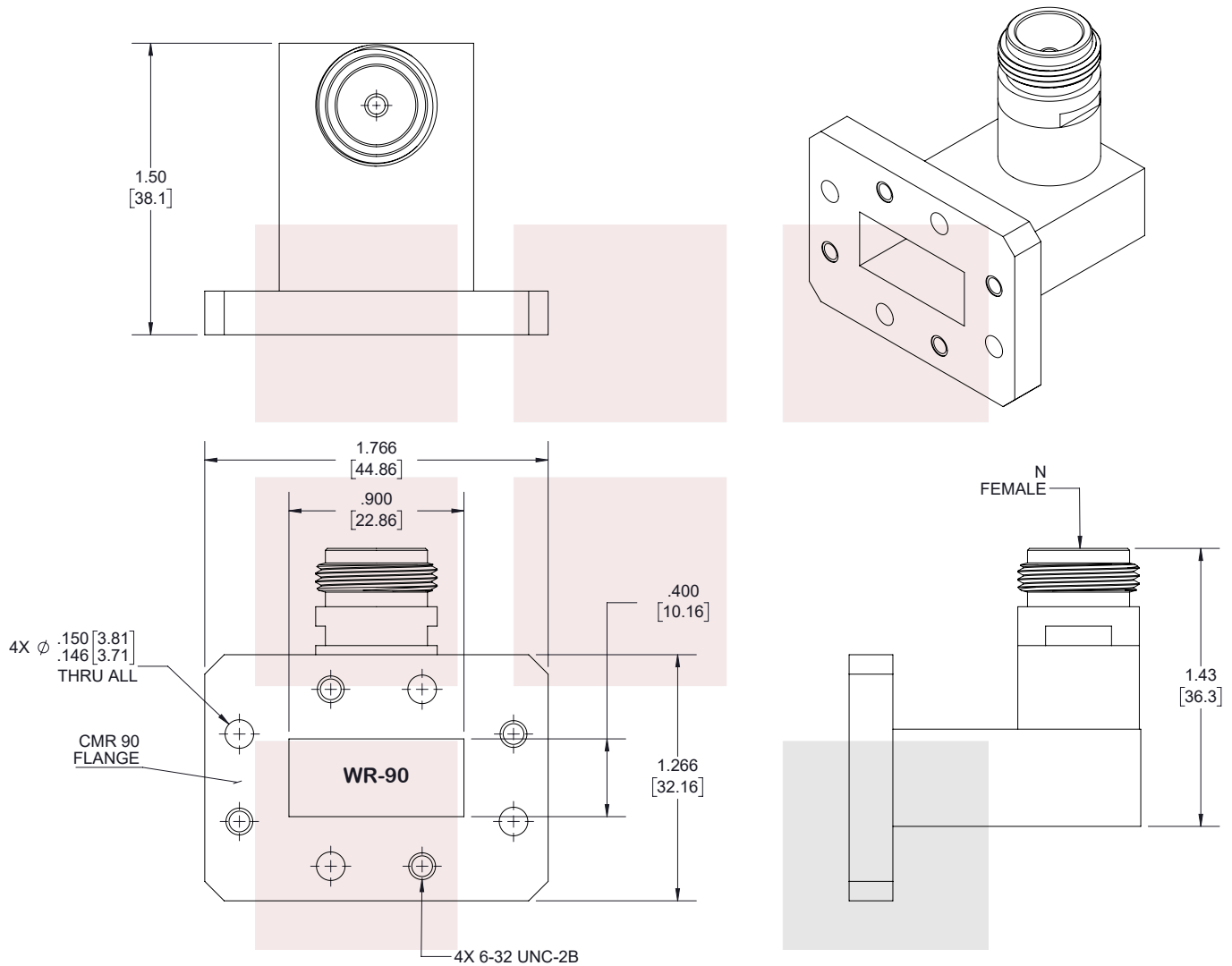


WR-90 to Type N Female Waveguide to Coax Adapter CMR-90 with 8.2 GHz to 12.4 GHz X Band in Aluminum, Paint from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-90 to Type N Female Waveguide to Coax Adapter CMR-90 with 8.2 GHz to 12.4 GHz X Band in Aluminum, Paint FMWCA1033](#)

URL: <https://www.fairviewmicrowave.com/wr90-type-n-female-waveguide-coax-adapter-cmr-90-fmwca1033-p.aspx>

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STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

		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].				
TITLE		DWG NO			CAGE CODE	
WR-90 to Type N Female Waveguide to Coax Adapter CMR-90 with 8.2 GHz to 12.4 GHz X Band in Aluminum, Paint		FMWCA1033			3FKR5	
		CAD FILE	10/02/18	SHEET	1 OF 1	SCALE
					SIZE	A
						7361