

# FMWCA9868 DATA SHEET

# WR-90 UG-135/U Square Cover Flange to End Launch N Female Waveguide to Coax Adapter Operating from 8.2 GHz to 12.4 GHz

The FMWCA9868 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 coupled with a precision tolerance UG-135/U Square Cover flange. The FMWCA9868 is constructed of aluminum to ensure durability and repeatable RF performance. The package is REACH and RoHS compliant.

### Configuration

Waveguide Size WR-90

Flange UG-135/U Square Cover

RF Connector N Female
Impedance 50 Ohms
Body Geometry End Launch

#### **Electrical Specifications**

Description	Min	Тур	Max	Units
Frequency Range	8.2		12.4	GHz
VSWR			1.25:1	
Insertion Loss		0.25		dB

#### **Mechanical Specifications**

Size

 Length
 1.82 in [46.23 mm]

 Width
 1.63 in [41.4 mm]

 Height
 1.63 in [41.4 mm]

 Weight
 0.15 lbs [68.04 g]

**RF Connector** 

Connector Type N Female
Body Material and Plating Stainless Steel

**Waveguide Interface** 

Waveguide Type WR-90
Flange Type Square Cover
Flange Designation UG-135/U
Body Material and Plating Aluminum

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

#### **Plotted and Other Data**

Notes:

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



#### Features:

- 8.2 to 12.4 GHz Frequency Range
- WR-90 Waveguide Interface
- UG-135/U Flange
- N Female RF Interface
- End Launch

## **Applications:**

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

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WR-90 UG-135/U Square Cover Flange to End Launch N Female Waveguide to Coax Adapter Operating from 8.2 GHz to 12.4 GHz 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 Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: WR-90 UG-135/U Square Cover Flange to End Launch N Female Waveguide to Coax Adapter Operating from 8.2 GHz to 12.4 GHz FMWCA9868

URL: https://www.fairviewmicrowave.com/wr90-type-n-female-end-launch-waveguide-coax-adapter-ug135-square-fmw-ca9868-p.aspx







