

FMWCA9831 DATA SHEET

WR-159 CMR-159 Flange to SMA Female Waveguide to Coax Adapter Operating from 4.9 GHz to 7.05 GHz

The FMWCA9831 is a waveguide to coaxial adapter operating in the C band with a 4.9 to 7.05 GHz frequency range. This adapter offers a WR-159 waveguide interface size coupled with a precision tolerance CMR-159 flange. The FMWCA9831 is constructed of aluminum to ensure durability and repeatable RF performance. The SMA Female connector mates with commercially available 2.92mm and 3.5mm connectors. The package is REACH and RoHS compliant.

Configuration

Waveguide Size Flange RF Connector Impedance Body Geometry WR-159 CMR-159 SMA Female 50 Ohms Right Angle

Electrical Specifications

Description	Min	Тур	Max	Units
Frequency Range	4.9		7.05	GHz
VSWR			1.3:1	
Input Power (Peak)			100	Watts

Mechanical Specifications

Size

 Length
 1.77 in [44.96 mm]

 Width
 2.5 in [63.5 mm]

 Height
 1.5 in [38.1 mm]

 Weight
 0.25 lbs [113.4 g]

RF Connector

Connector Type SMA Female
Body Material and Plating Stainless Steel

Waveguide Interface

Waveguide Type WR-159
Flange Type CMR-159
Body Material and Plating Aluminum

Environmental Specifications

Temperature

Operating Range -40 to +85 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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



Features:

- 4.9 to 7.05 GHz
 Frequency Range
- WR-159 Waveguide Interface
- CMR-159 Flange
- SMA Female RF Interface
- · Right Angle

Applications:

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

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WR-159 CMR-159 Flange to SMA Female Waveguide to Coax Adapter Operating from 4.9 GHz to 7.05 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-159 CMR-159 Flange to SMA Female Waveguide to Coax Adapter Operating from 4.9 GHz to 7.05 GHz FMWCA9831

URL: https://www.fairviewmicrowave.com/wr159-sma-female-waveguide-coax-adapter-cmr-159-fmwca9831-p.aspx







