

WR-51 to SMA Female Waveguide to Coax Adapter Square Cover Flange with 15 GHz to 22 GHz N Band in Aluminum



FMWCA9879A

Features

- 15 to 22 GHz Frequency Range
- WR-51 Waveguide Interface
- Square Cover Flange
- SMA Female RF Interface
- Comprehensive waveguide offering also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

Applications

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

Description

The FMWCA9879A is a end launch waveguide to coaxial adapter operating at a frequency range of 15 GHz to 22 GHz. This adapter offers a WR-51 waveguide interface size coupled with a precision tolerance Square Cover flange. The FMWCA9879A is constructed of Aluminum to ensure durability. The coaxial connector offered by this adapter uses an SMA Female connector.

Configuration

Waveguide Size	WR-51
Flange	Square Cover
RF Connector	SMA Female
Impedance	50 Ohms
Body Geometry	End Launch

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	15		22	GHz
VSWR			1.3:1	

Mechanical Specifications

Size	
Length	0.846 in [21.49 mm]
Width	1.325 in [33.66 mm]
Height	1.325 in [33.66 mm]
Weight	0.105 lbs [47.63 g]

RF Connector	
Connector Type	SMA Female
Body Material and Plating	Aluminum

Waveguide Interface	
Waveguide Type	WR-51
Flange Type	Square Cover
Body Material and Plating	Aluminum

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Environmental Specifications

Temperature

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

Plotted and Other Data

Notes:

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

Typical Performance Data

WR-51 to SMA Female Waveguide to Coax Adapter Square Cover Flange with 15 GHz to 22 GHz N Band in Aluminum 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-51 to SMA Female Waveguide to Coax Adapter Square Cover Flange with 15 GHz to 22 GHz N Band in Aluminum FMWCA9879A](#)

URL: <https://www.fairviewmicrowave.com/wr51-sma-female-waveguide-coax-adapter-square-fmwca9879a-p.aspx>

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FMWCA9879A CAD Drawing

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