

WR-650 to N-Type Female Waveguide to Coax Adapter CPR650F Flange With 1.13 GHz to 1.73 GHz



FMWCA1131

Features

- 1.13 to 1.73 GHz Frequency Range
- WR-650 Waveguide Interface
- CPR650F Flange
- N-Type 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 FMWCA1131 is a waveguide to coaxial adapter operating at a frequency range of 1.13 GHz to 1.73 GHz. This adapter offers a WR-650 waveguide interface size coupled with a precision tolerance CPR650F flange. The FMWCA1131 is constructed of Aluminum to ensure durability. The coaxial connector offered by this adapter uses an N-Type Female connector.

Configuration

Waveguide Size	WR-650
Flange	CPR-650F
RF Connector	N Female
Body Geometry	Right Angle

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	1.13		1.73	GHz
VSWR			1.25:1	
Insertion Loss			0.2	dB
Input Power (CW)			100	Watts
Input Power (Peak)			5	kWatts

Mechanical Specifications

Size

Length	6 in [152.4 mm]
Width	8.7 in [220.98 mm]
Height	5.5 in [139.7 mm]
Weight	3.4 lbs [1.54 kg]

RF Connector

Connector Type	N Female
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Waveguide Interface

Waveguide Type	WR-650
Flange Type	CPR-650F
Body Material and Plating	Aluminum, Chromate Conversion
Plating Specification	Anticorrosion grey paint

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Environmental Specifications

Temperature

Operating Range

-40 to +70 deg C

Storage Range

-55 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

Typical Performance Data

WR-650 to N-Type Female Waveguide to Coax Adapter CPR650F Flange With 1.13 GHz to 1.73 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-650 to N-Type Female Waveguide to Coax Adapter CPR650F Flange With 1.13 GHz to 1.73 GHz FMWCA1131](#)

URL: <https://www.fairviewmicrowave.com/wr-650-cpr-650f-flange-to-tyfm-n-female-waveguide-coax-adapter-fm-wca1131-p.aspx>

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FMWCA1131 CAD Drawing

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