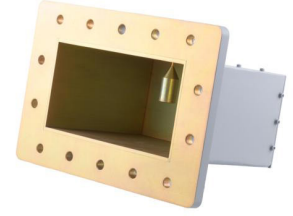


WR-770 to N-Type Female Waveguide to Coax Adapter  
CPR770F Flange With 0.96 GHz to 1.46 GHz



**FMWCA1130**

**Features**

- 0.96 to 1.46 GHz Frequency Range
- WR-770 Waveguide Interface
- CPR770F 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 FMWCA1130 is a waveguide to coaxial adapter operating at a frequency range of 0.96 GHz to 1.46 GHz. This adapter offers a WR-770 waveguide interface size coupled with a precision tolerance CPR770F flange. The FMWCA1130 is constructed of Aluminum to ensure durability. The coaxial connector offered by this adapter uses an N-Type Female connector.

**Configuration**

Waveguide Size	WR-770
Flange	CPR-770F
RF Connector	N Female
Body Geometry	Right Angle

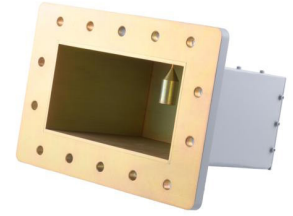
**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.96		1.46	GHz
VSWR			1.25:1	
Insertion Loss			0.2	dB
Input Power (CW)			100	Watts
Input Power (Peak)			5	kWatts

**Mechanical Specifications**

<b>Size</b>	
Length	6.5 in [165.1 mm]
Width	11.2 in [284.48 mm]
Height	7.4 in [187.96 mm]
Weight	5.7 lbs [2.59 kg]
<b>RF Connector</b>	
Connector Type	N Female
<b>Waveguide Interface</b>	
Waveguide Type	WR-770
Flange Type	CPR-770F
Body Material and Plating	Aluminum, Chromate Conversion
Plating Specification	Anticorrosion grey paint

## WR-770 to N-Type Female Waveguide to Coax Adapter CPR770F Flange With 0.96 GHz to 1.46 GHz



### FMWCA1130

#### 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-770 to N-Type Female Waveguide to Coax Adapter CPR770F Flange With 0.96 GHz to 1.46 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-770 to N-Type Female Waveguide to Coax Adapter CPR770F Flange With 0.96 GHz to 1.46 GHz FMWCA1130](#)

URL: <https://www.fairviewmicrowave.com/wr-770-cpr-770f-flange-to-tyfm-n-female-waveguide-coax-adapter-fm-wca1130-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume liability arising out of the use of any part or document.

