

**WR-137 to Type N Female Waveguide to Coax
 Adapter CPR-137G Grooved with 5.85 GHz to 8.2 GHz
 C Band in Aluminum, Paint**

The FMWCA1051 is a waveguide to coaxial adapter operating in the C Band with a 5.85 to 8.2 GHz frequency range. This adapter offers a WR-137 waveguide interface size using a standard CPR-137G Flange. The FMWCA1051 is constructed of Aluminum Alloy and painted to ensure durability. The coaxial connector offered by this adapter uses a N Female Connector.

Configuration

Waveguide Size	WR-137
Flange	CPR-137G
RF Connector	N Female
Impedance	50 Ohms
Body Geometry	Right Angle

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	5.85		8.2	GHz
VSWR		1.25:1		

Mechanical Specifications

RF Connector	
Connector Type	N Female
Waveguide Interface	
Waveguide Type	WR-137
Flange Type	CPR-137G
Body Material and Plating	Aluminum, Paint

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

Plotted and Other Data

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



Features:

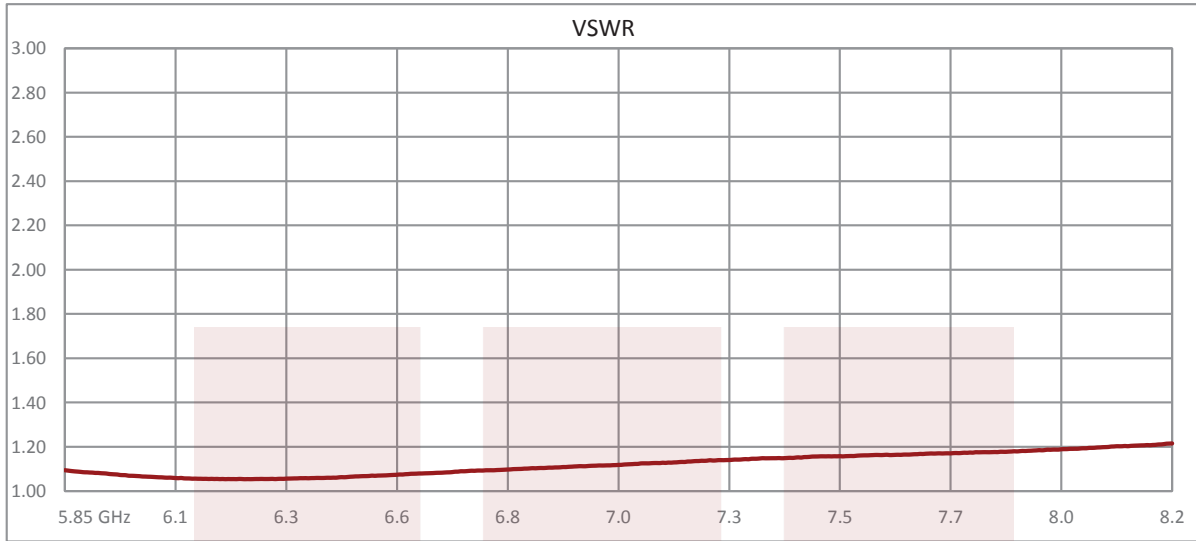
- C Band
- 5.85 to 8.2 GHz Frequency Range
- WR-137 Waveguide Interface
- CPR-137G Flange
- N Female RF Interface
- Right Angle

Applications:

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

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Typical Performance Data

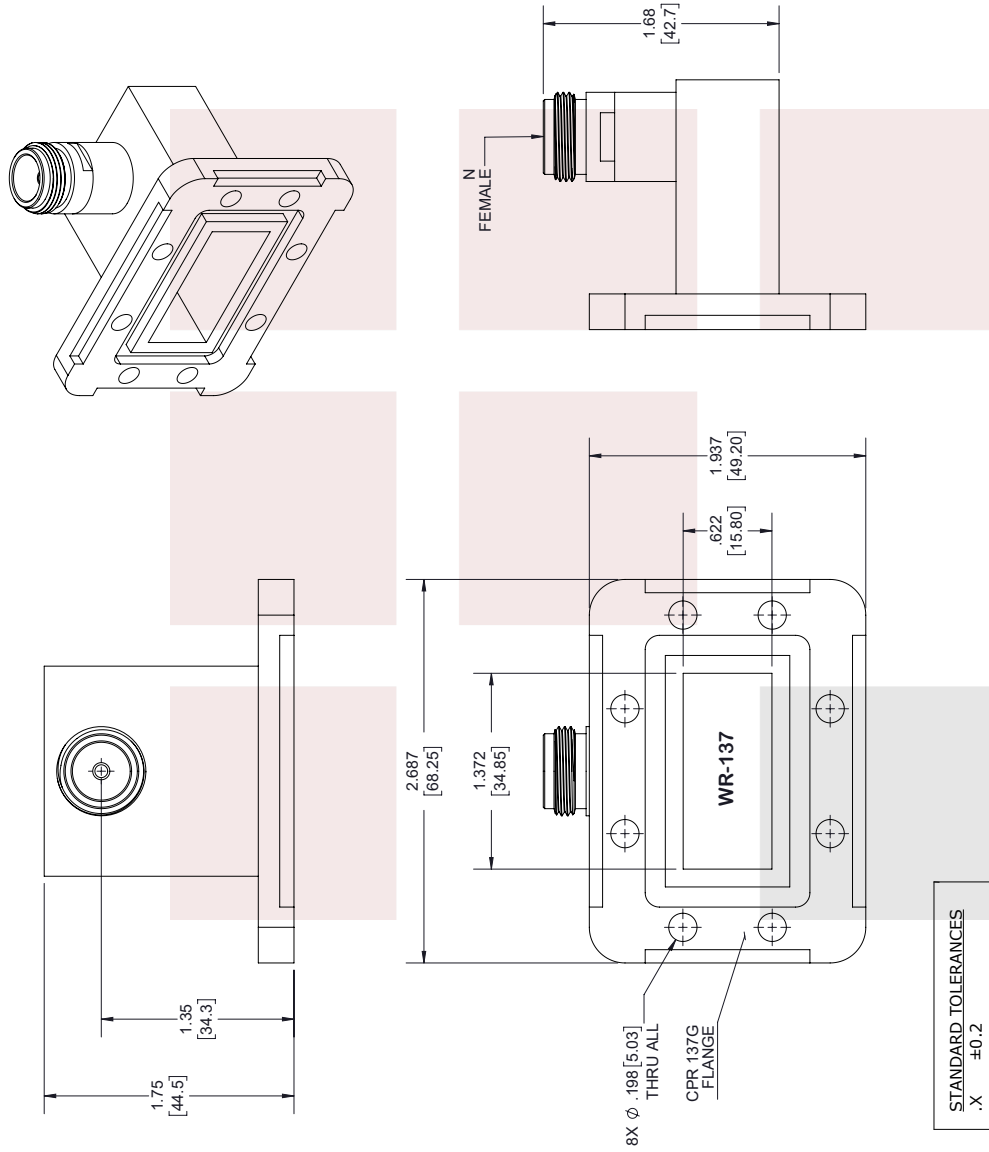


WR-137 to Type N Female Waveguide to Coax Adapter CPR-137G Grooved with 5.85 GHz to 8.2 GHz C Band in Aluminum, Paint from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-137 to Type N Female Waveguide to Coax Adapter CPR-137G Grooved with 5.85 GHz to 8.2 GHz C Band in Aluminum, Paint FMWCA1051](#)

URL: <https://www.fairviewmicrowave.com/wr137-type-n-female-waveguide-coax-adapter-cpr-137g-grooved-fmwca1051-p.aspx>

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NOTES:
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
 3. DIMENSIONS ARE IN INCHES (mm).

DWG NO		FMWCA1051		CAGE CODE		3FKR5	
CAD FILE	10/03/18	SHEET	1 OF 1	SCALE	N/A	SIZE	A
TITLE							

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