

WR-137 to N Female Waveguide to Coax Adapter UG-344/U Round Cover Flange With 5.85 GHz to 8.2 GHz Frequency Range For C Band

The FMWCA1016 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 Square Cover Flange. The FMWCA1016 is constructed of Copper Alloy and painted to ensure durability. The coaxial connector offered by this adapter uses a N Female Nickel Plated Brass Connector.

Configuration

Waveguide Size	WR-137
Flange	UG-344/U Round Cover
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

Weight 0.789 lbs [357.88 g]

RF Connector

Connector Type N Female
 Body Material and Plating Brass, Nickel

Waveguide Interface

Waveguide Type WR-137
 Flange Type Round Cover
 Flange Designation UG-344/U
 Body Material and Plating Copper, Paint

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

Plotted and Other Data

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



Features:

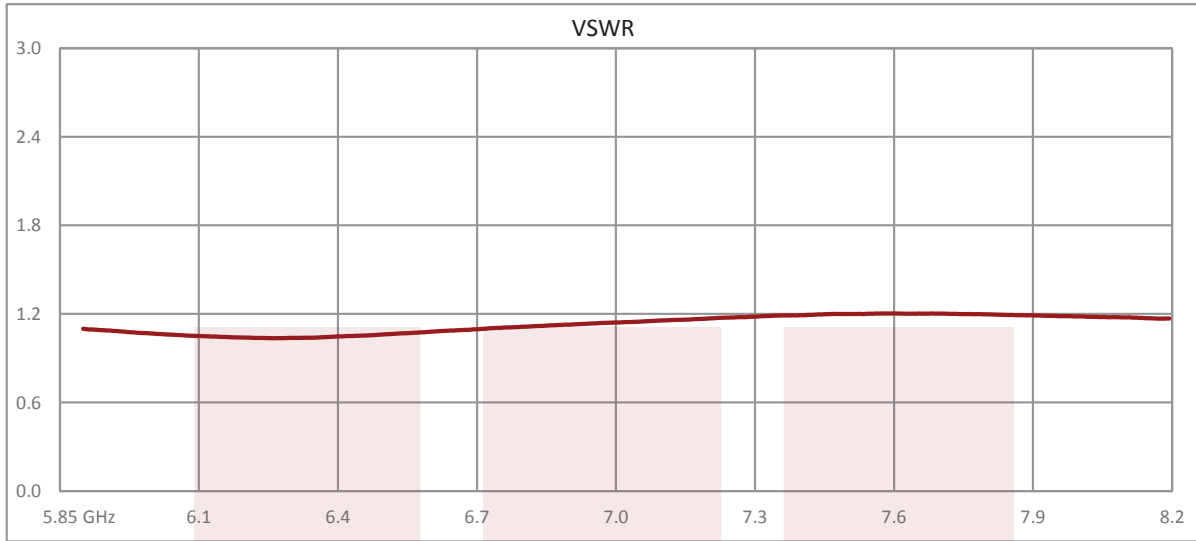
- C Band
- 5.85 to 8.2 GHz Frequency Range
- WR-137 Waveguide Interface
- Standard Square Cover Flange
- N Female RF Interface

Applications:

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

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Typical Performance Data

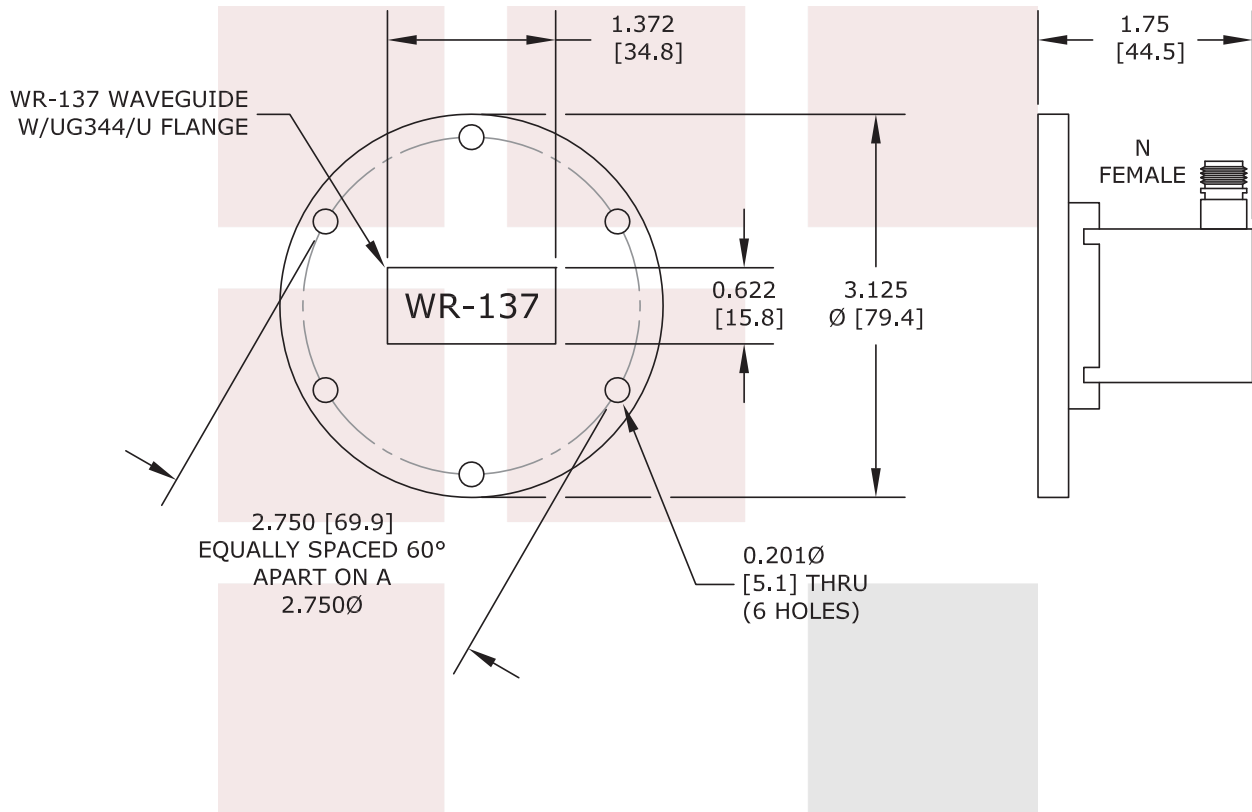


WR-137 to N Female Waveguide to Coax Adapter UG-344/U Round Cover Flange With 5.85 GHz to 8.2 GHz Frequency Range For C Band from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-137 to N Female Waveguide to Coax Adapter UG-344/U Round Cover Flange With 5.85 GHz to 8.2 GHz Frequency Range For C Band FMWCA1016](#)

URL: <https://www.fairviewmicrowave.com/wr-137-n-female-waveguide-coax-adapter-ug344-round-8.2-ghz-fmwca1016-p.aspx>

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

DECIMALS	ANGLES
.X ±.030	±1/2 DEG.
.XX ±.015	FRACTIONS
.XXX ±.005	±1/32

* THESE DIMENSIONS AND TOLERANCES SUPERSEDE NOTE #1 ON TITLE BLOCK.

FAIRVIEW MICROWAVE INC.		NOTES:	
ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.	
TITLE		2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.	
WR-137 to N Female Waveguide to Coax Adapter UG-344/U Round Cover Flange With 5.85 GHz to 8.2 GHz Frequency Range For C Band		3. DIMENSIONS ARE IN INCHES [mm].	
DWG NO	FMWCA1016	CAGE CODE	3FKR5
CAD FILE	092616 SHEET	SCALE	N/A
		SIZE	A
			2233