

**WR-137 to SMA 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 FMWCA1014 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 FMWCA1014 is constructed of Copper Alloy and painted to ensure durability. The coaxial connector offered by this adapter uses a SMA Female Nickel Plated Brass Connector.

**Configuration**

Waveguide Size	WR-137
Flange	UG-344/U Round Cover
RF Connector	SMA 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 0.733 lbs [332.48 g]

**RF Connector**

Connector Type SMA 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:**

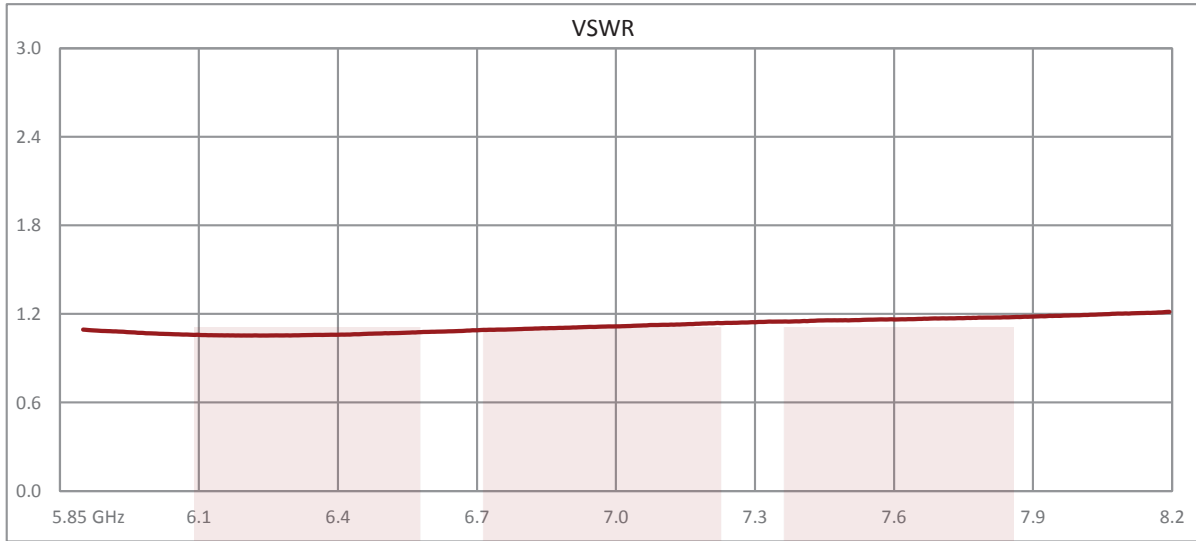
- C Band
- 5.85 to 8.2 GHz Frequency Range
- WR-137 Waveguide Interface
- Standard Square Cover Flange
- SMA Female RF Interface

**Applications:**

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

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**Typical Performance Data**

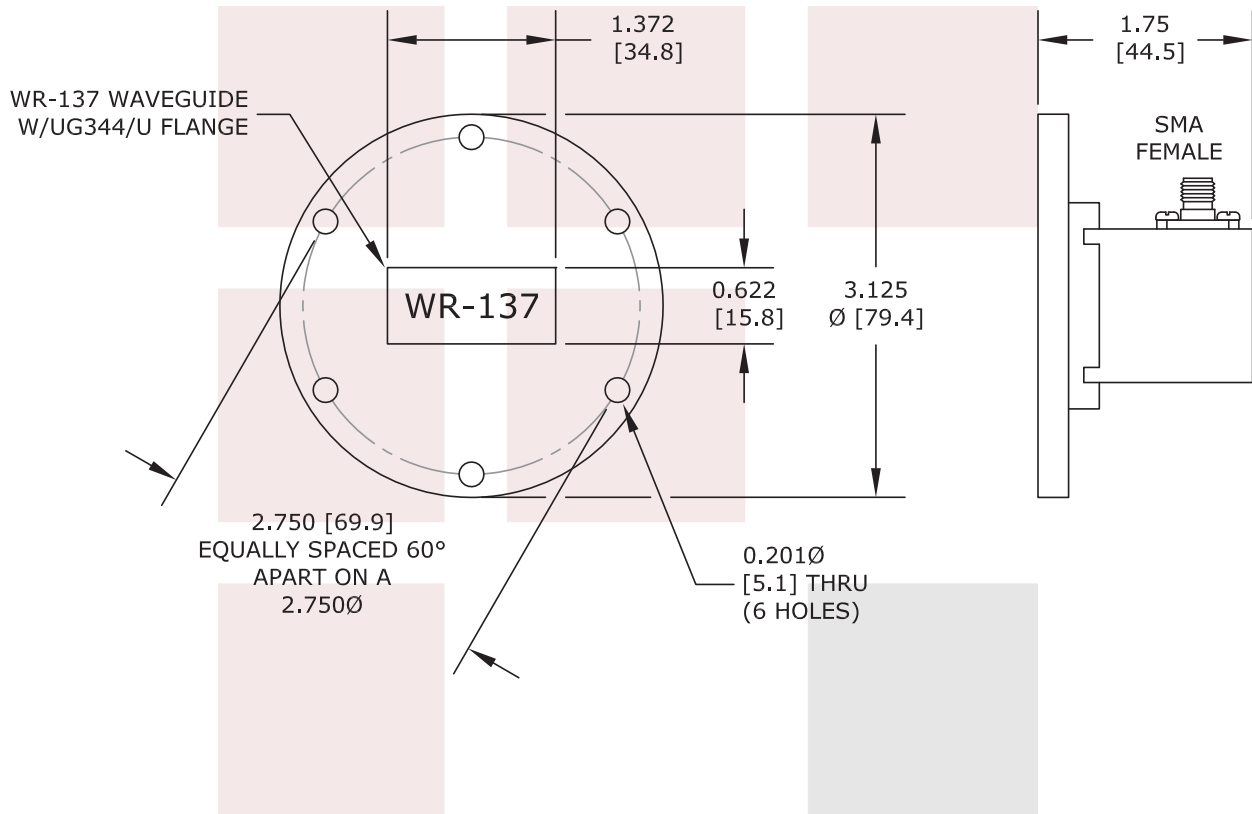


WR-137 to SMA Female Waveguide to Coax Adapter UG-344/U Round Cover Flange With 5.85 GHz to 8.2 GHz Frequency Range For C Band from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in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

For additional information on this product, please click the following link: [WR-137 to SMA Female Waveguide to Coax Adapter UG-344/U Round Cover Flange With 5.85 GHz to 8.2 GHz Frequency Range For C Band FMWCA1014](https://www.fairviewmicrowave.com/wr-137-sma-female-waveguide-coax-adapter-ug344-round-8.2-ghz-fmw-ca1014-p.aspx)

URL: <https://www.fairviewmicrowave.com/wr-137-sma-female-waveguide-coax-adapter-ug344-round-8.2-ghz-fmw-ca1014-p.aspx>

The information contained in 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 any liability arising out of the use of any part or documentation.



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.

<b>FAIRVIEW MICROWAVE INC.</b>		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].			
ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		DWG NO FMWCA1014		CAGE CODE 3FKR5	
TITLE WR-137 to SMA Female Waveguide to Coax Adapter UG-344/U Round Cover Flange With 5.85 GHz to 8.2 GHz Frequency Range For C Band		CAD FILE 092316	SHEET	SCALE N/A	SIZE A 2233