

**WR-75 to N Female Waveguide to Coax Adapter
Square Cover Flange With 10 GHz to 15 GHz Fre-
quency Range For M Band**

The FMWCA1005 is a waveguide to coaxial adapter operating in the M Band with a 10 to 15 GHz frequency range. This adapter offers a WR-75 waveguide interface size using a standard Square Cover Flange. The FMWCA1005 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-75
Flange	Square Cover
RF Connector	N Female
Impedance	50 Ohms
Body Geometry	Right Angle

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	10		15	GHz
VSWR		1.25:1		

Mechanical Specifications

Weight 0.314 lbs [142.43 g]

RF Connector

Connector Type N Female
Body Material and Plating Brass, Nickel

Waveguide Interface

Waveguide Type WR-75
Flange Type Square Cover
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:

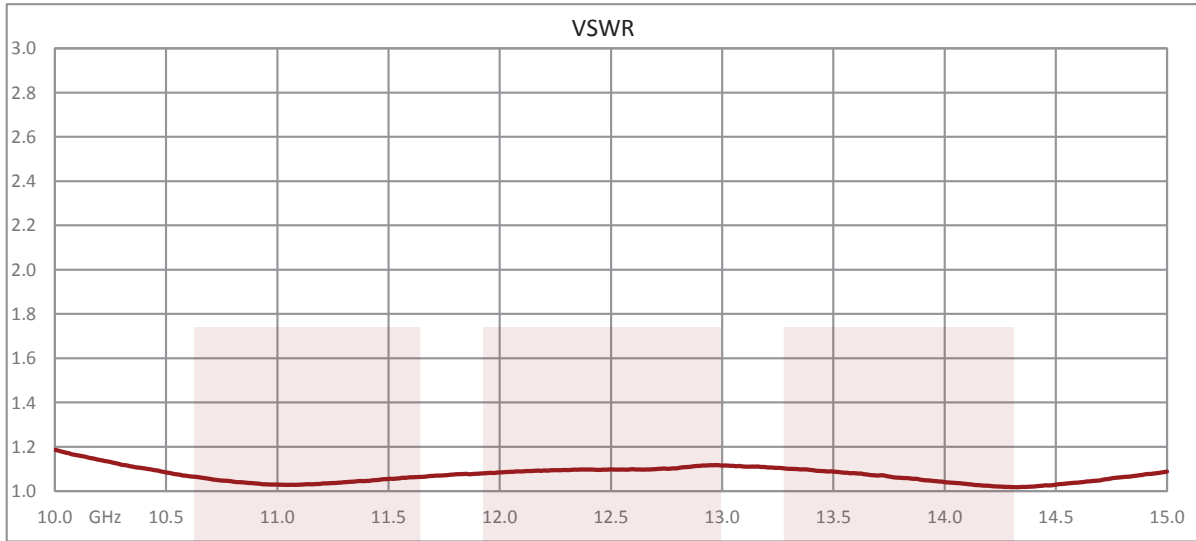
- M Band
- 10 to 15 GHz Frequency Range
- WR-75 Waveguide Interface
- Standard Square Cover Flange
- N Female RF Interface

Applications:

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

Fairview Microwave
1130 Junction Dr. #100
Allen, TX 75013
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Typical Performance Data

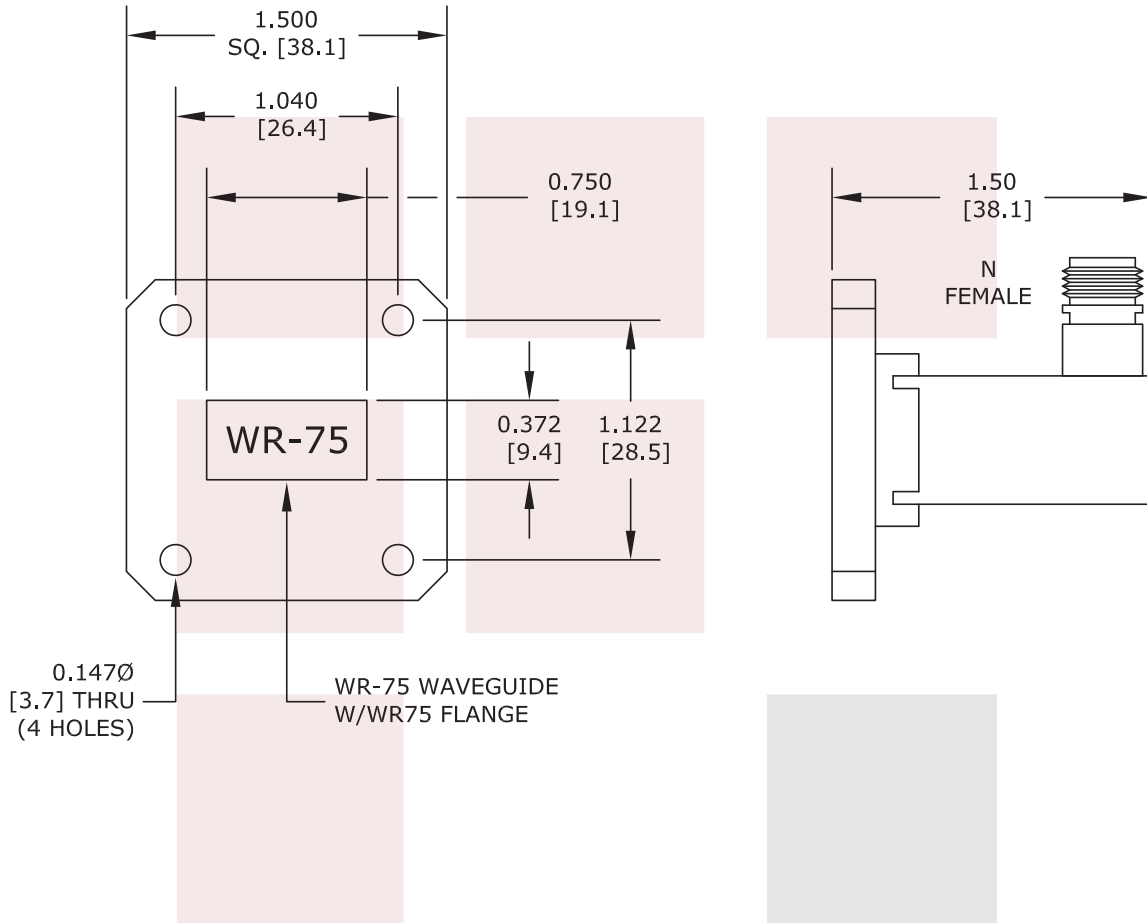


WR-75 to N Female Waveguide to Coax Adapter Square Cover Flange With 10 GHz to 15 GHz Frequency Range For M Band from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-75 to N Female Waveguide to Coax Adapter Square Cover Flange With 10 GHz to 15 GHz Frequency Range For M Band FMWCA1005](#)

URL: <https://www.fairviewmicrowave.com/wr-75-n-female-waveguide-coax-adapter-square-15-ghz-fmwca1005-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.

FAIRVIEW MICROWAVE INC.		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		CAGE CODE	
TITLE WR-75 to N Female Waveguide to Coax Adapter Square Cover Flange With 10 GHz to 15 GHz Frequency Range For M Band		FMWCA1005		3FKR5	
		CAD FILE	092616	SHEET	SCALE
				SIZE	A
				2233	