

WR-62 to SMA Female Waveguide to Coax Adapter UG-419/U Square Cover with 12.4 GHz to 18 GHz Ku Band in Copper, Paint

The FMWCA1003 is a waveguide to coaxial adapter operating in the Ku Band with a 12.4 to 18 GHz frequency range. This adapter offers a WR-62 waveguide interface size using a standard Square Cover Flange. The FMWCA1003 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-62
Flange	UG-419/U Square Cover
RF Connector	SMA Female
Impedance	50 Ohms
Body Geometry	Right Angle

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	12.4		18	GHz
VSWR		1.25:1		

Mechanical Specifications

Weight	0.167 lbs [75.75 g]
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RF Connector

Connector Type	SMA Female
Body Material and Plating	Brass, Nickel

Waveguide Interface

Waveguide Type	WR-62
Flange Type	Square Cover
Flange Designation	UG-419/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:

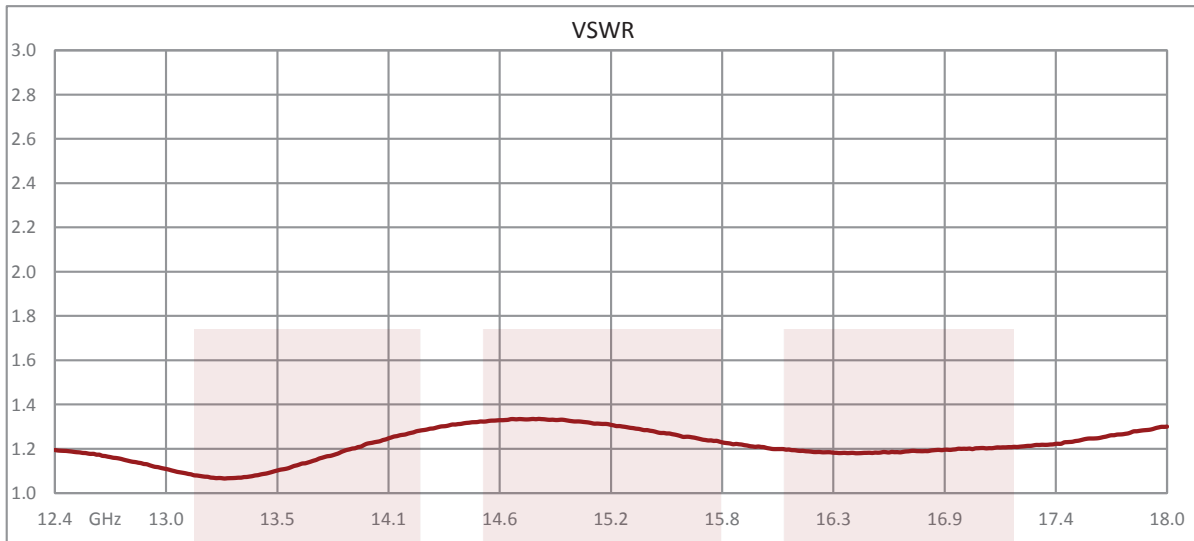
- Ku Band
- 12.4 to 18 GHz Frequency Range
- WR-62 Waveguide Interface
- UG-419/U Square Cover Flange
- SMA Female RF Interface

Applications:

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

Fairview Microwave
301 Leora Ln., Suite 100
Lewisville, TX 75056
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Typical Performance Data

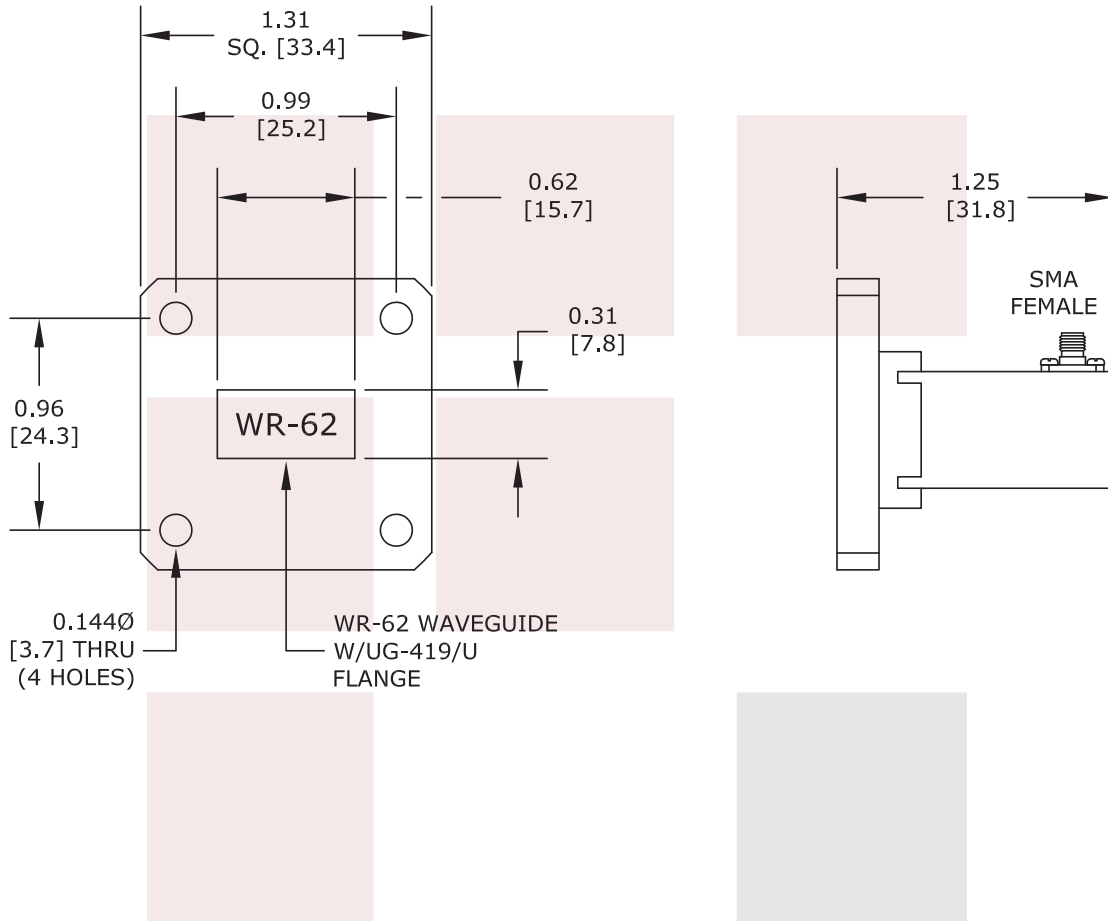


WR-62 to SMA Female Waveguide to Coax Adapter UG-419/U Square Cover with 12.4 GHz to 18 GHz Ku Band in Copper, Paint from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-62 to SMA Female Waveguide to Coax Adapter UG-419/U Square Cover with 12.4 GHz to 18 GHz Ku Band in Copper, Paint FMWCA1003](https://www.fairviewmicrowave.com/wr-62-sma-female-waveguide-coax-adapter-ug1665-square-18-ghz-fmw-ca1003-p.aspx)

URL: <https://www.fairviewmicrowave.com/wr-62-sma-female-waveguide-coax-adapter-ug1665-square-18-ghz-fmw-ca1003-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. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		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].			
TITLE WR-62 to SMA Female Waveguide to Coax Adapter UG-419/U Square Cover with 12.4 GHz to 18 GHz Ku Band in Copper, Paint	DWG NO		CAGE CODE		
	FMWCA1003		3FKR5		
CAD FILE	092116	SHEET	SCALE	N/A	SIZE A 2233