

WR-28 to 2.92mm Female Waveguide to Coax Adapter UG-599/U Square Cover Flange With 26.5 GHz to 40 GHz Frequency Range For Ka Band

The FMWCA1000 is a waveguide to coaxial adapter operating in the Ka Band with a 26.5 to 40 GHz frequency range. This adapter offers a WR-28 waveguide interface size using a standard Square Cover Flange. The FMWCA1000 is constructed of Copper Alloy and painted to ensure durability. The coaxial connector offered by this adapter uses a 2.92mm Female Nickel Plated Brass Connector.

Configuration

Waveguide Size	WR-28
Flange	UG-599/U Square Cover
RF Connector	2.92mm Female
Impedance	50 Ohms
Body Geometry	Right Angle

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	26.5		40	GHz
VSWR		1.3:1		

Mechanical Specifications

Weight 0.0565 lbs [25.63 g]

RF Connector

Connector Type 2.92mm Female
 Body Material and Plating Brass, Nickel

Waveguide Interface

Waveguide Type WR-28
 Flange Type Square Cover
 Flange Designation UG-599/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:

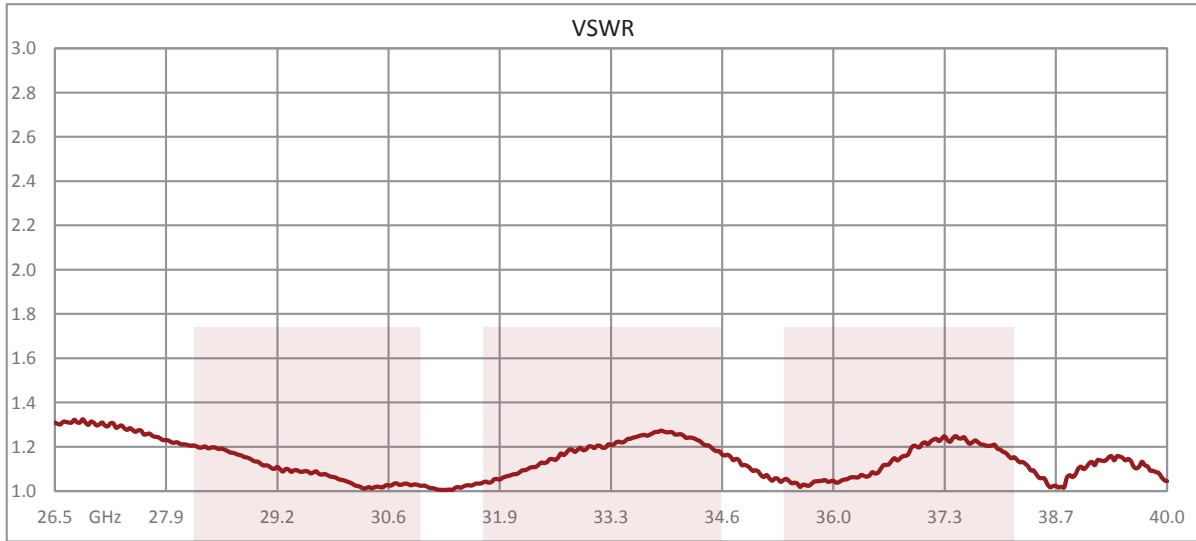
- Ka Band
- 26.5 to 40 GHz Frequency Range
- WR-28 Waveguide Interface
- UG-599/U Square Cover Flange
- 2.92mm Female RF Interface

Applications:

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

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Typical Performance Data

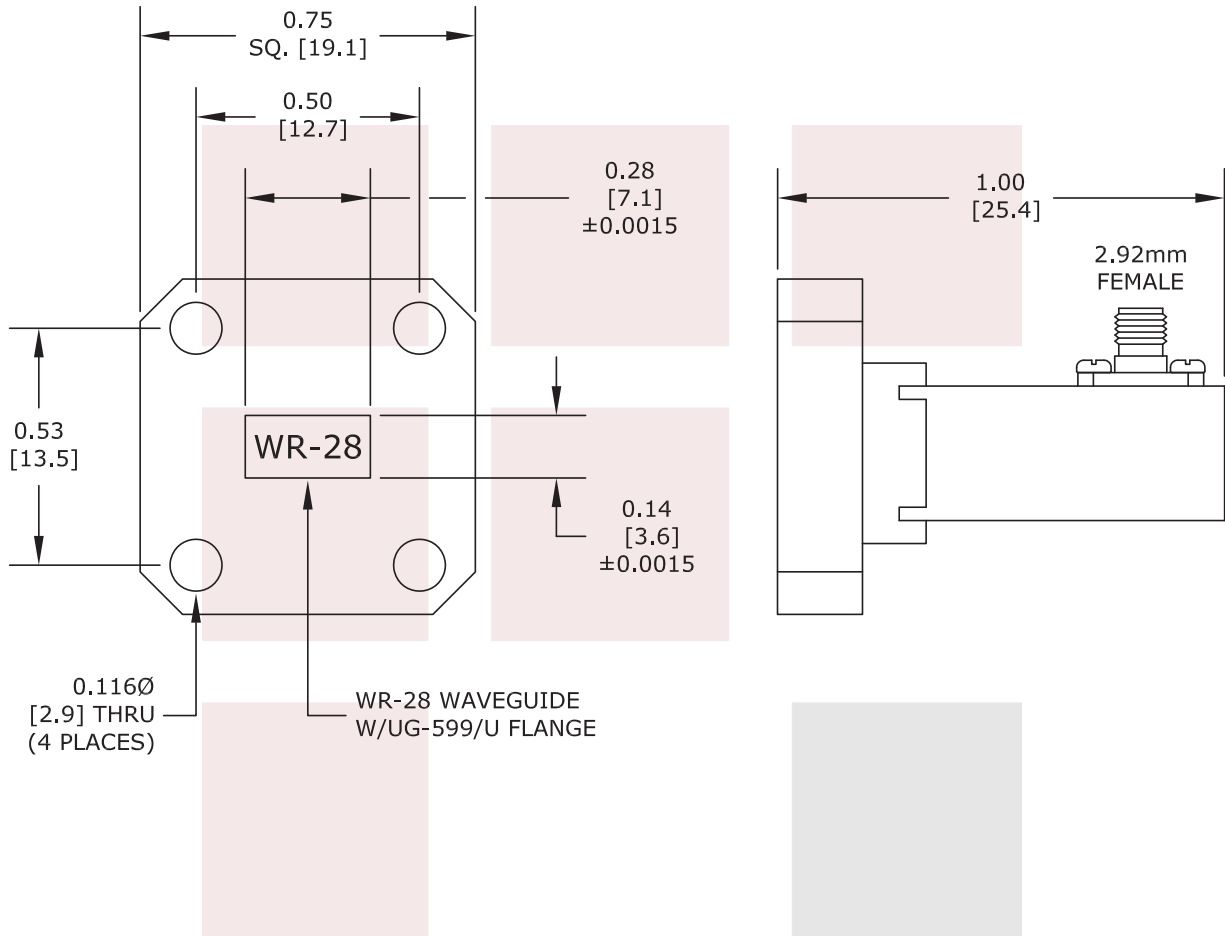


WR-28 to 2.92mm Female Waveguide to Coax Adapter UG-599/U Square Cover Flange With 26.5 GHz to 40 GHz Frequency Range For Ka Band from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-28 to 2.92mm Female Waveguide to Coax Adapter UG-599/U Square Cover Flange With 26.5 GHz to 40 GHz Frequency Range For Ka Band FMWCA1000](#)

URL: <https://www.fairviewmicrowave.com/wr-28-2.92mm-female-waveguide-coax-adapter-ug599-square-40-ghz-fmw-ca1000-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. 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-28 to 2.92mm Female Waveguide to Coax Adapter UG-599/U Square Cover Flange With 26.5 GHz to 40 GHz Frequency Range For Ka Band		DWG NO FMWCA1000		CAGE CODE 3FKR5	
CAD FILE	092016	SHEET	SCALE	N/A	SIZE A 2233