

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 FMWCA1020 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 coupled with a precision tolerance UG-599/U Square Cover flange. The FMWCA1020 is constructed of aluminum to ensure durability and repeatable RF performance. The coaxial connection offered by this adapter uses a 2.92mm Female connector.

Configuration

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

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	26.5		40	GHz
VSWR			1.3:1	
Insertion Loss		0.3		dB

Mechanical Specifications

RF Connector	
Connector Type	2.92mm Female

Waveguide Interface	
Waveguide Type	WR-28
Flange Type	Square Cover
Flange Designation	UG-599/U
Body Material and Plating	Aluminum, Chem Film

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

Plotted and Other Data

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



Features:

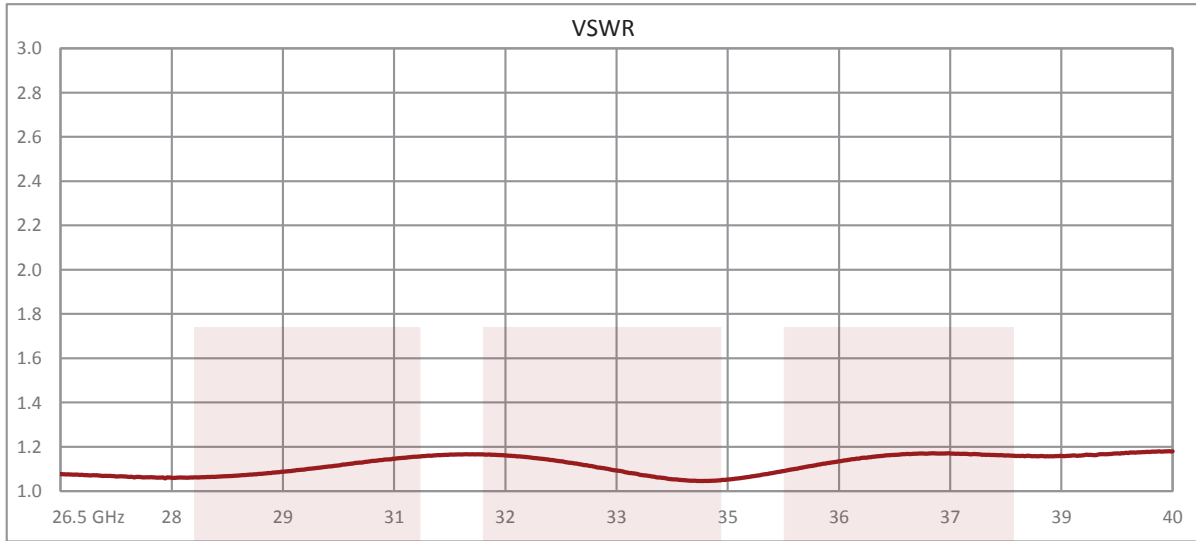
- Ka Band 26.5 to 40 GHz Frequency Range
- WR-28 Waveguide Interface with UG-599/U Square Cover Flange
- 2.92mm Female RF Interface
- Comprehensive waveguide offerings also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

Applications:

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

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Typical Performance Data

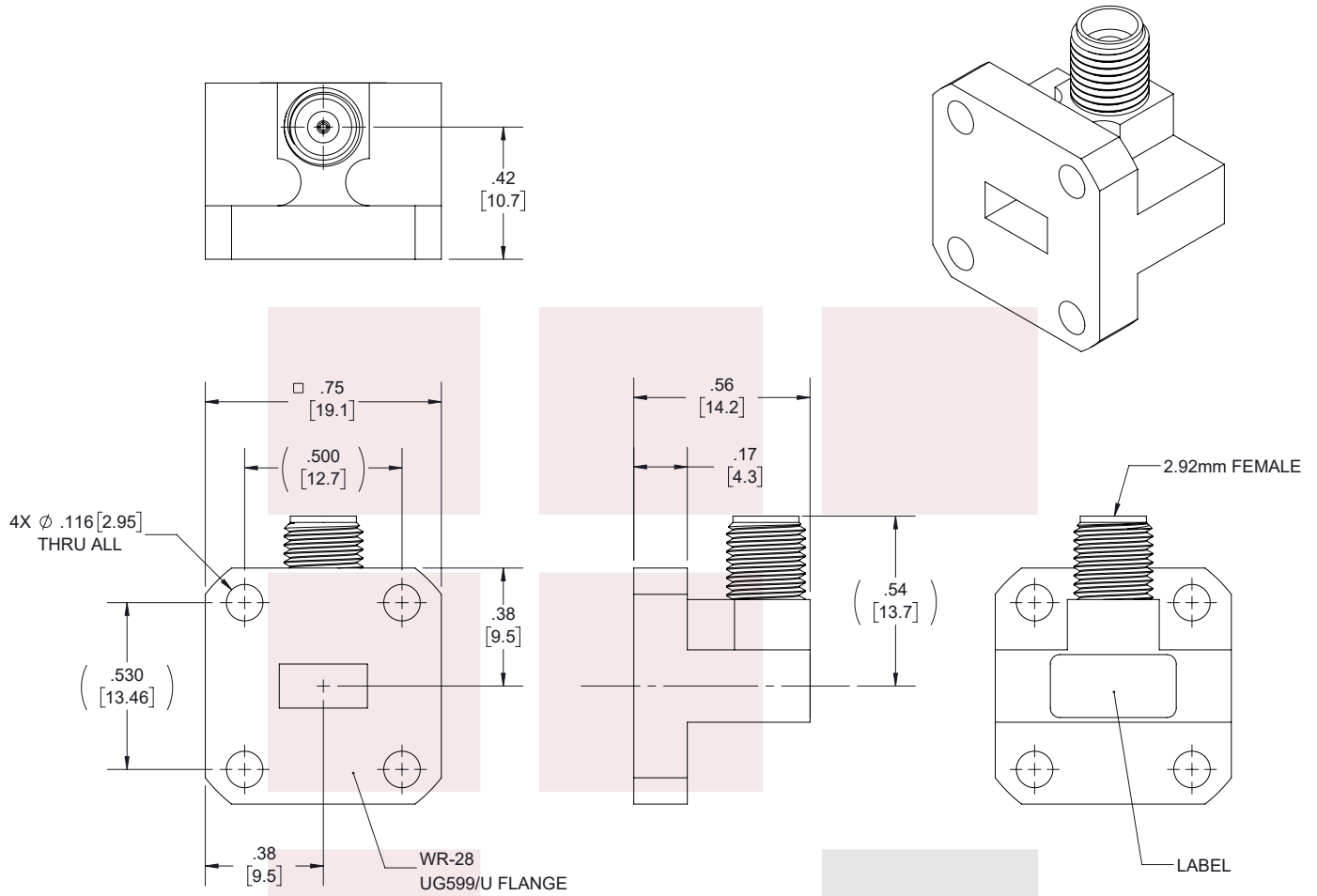


WR-28 to 2.92mm Female Waveguide to Coax Adapter UG-599/U Square Cover Flange With 26.5 GHz to 40 GHz Frequency Range For Ka Band from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities 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 FMWCA1020](#)

URL: <https://www.fairviewmicrowave.com/wr-28-2.92mm-female-waveguide-coax-adapter-ug599-square-40-ghz-fmw-ca1020-p.aspx>

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LABEL:

FAIRVIEW MICROWAVE
 FMWCA1020
 26.5 - 40.0 GHz

STANDARD TOLERANCES

.X ±0.2
 .XX ±0.02
 .XXX ±0.010

*STANDARD TOLERANCES APPLY
 ONLY TO DIMENSIONS IN INCHES

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 FMWCA1020		CAGE CODE 3FKR5		
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		CAD FILE 020818	SHEET 1 OF 1	SCALE N/A	SIZE A	7361