

WR-42 to 2.92mm Female Waveguide to Coax Adapter UBR220 with 17.6 GHz to 26.7 GHz in Brass

The FMWCA1101 is a right angle waveguide to coaxial adapter operating at a frequency range of 17.6 GHz to 26.7 GHz. This adapter offers a WR-42 waveguide interface size coupled with a precision tolerance UBR220 flange. The FMWCA1101 is constructed of brass and a gold finish to ensure durability. The coaxial connector offered by this adapter uses an 2.92mm Female connector.

Configuration

Waveguide Size	WR-42
Flange	UBR220
RF Connector	2.92mm Female
Body Geometry	Right Angle

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	17.6		26.7	GHz
VSWR			1.25:1	
Insertion Loss			0.3	dB
Input Power (CW)			20	Watts

Mechanical Specifications

Size	
Length	1.18 in [29.97 mm]
Width	0.88 in [22.35 mm]
Height	0.88 in [22.35 mm]

RF Connector	
Connector Type	2.92mm Female

Waveguide Interface	
Waveguide Type	WR-42
Flange Type	UBR220
Body Material and Plating	Brass

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

Plotted and Other Data

Notes:

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



Features:

- 17.6 to 26.7 GHz Frequency Range
- WR-42 Waveguide Interface
- UBR220 Flange
- 2.92mm Female RF Interface
- Comprehensive waveguide offering 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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WR-42 to 2.92mm Female Waveguide to Coax Adapter UBR220 with 17.6 GHz to 26.7 GHz in Brass 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 Lewisville, Texas. Fairview Microwave is RF on-demand.

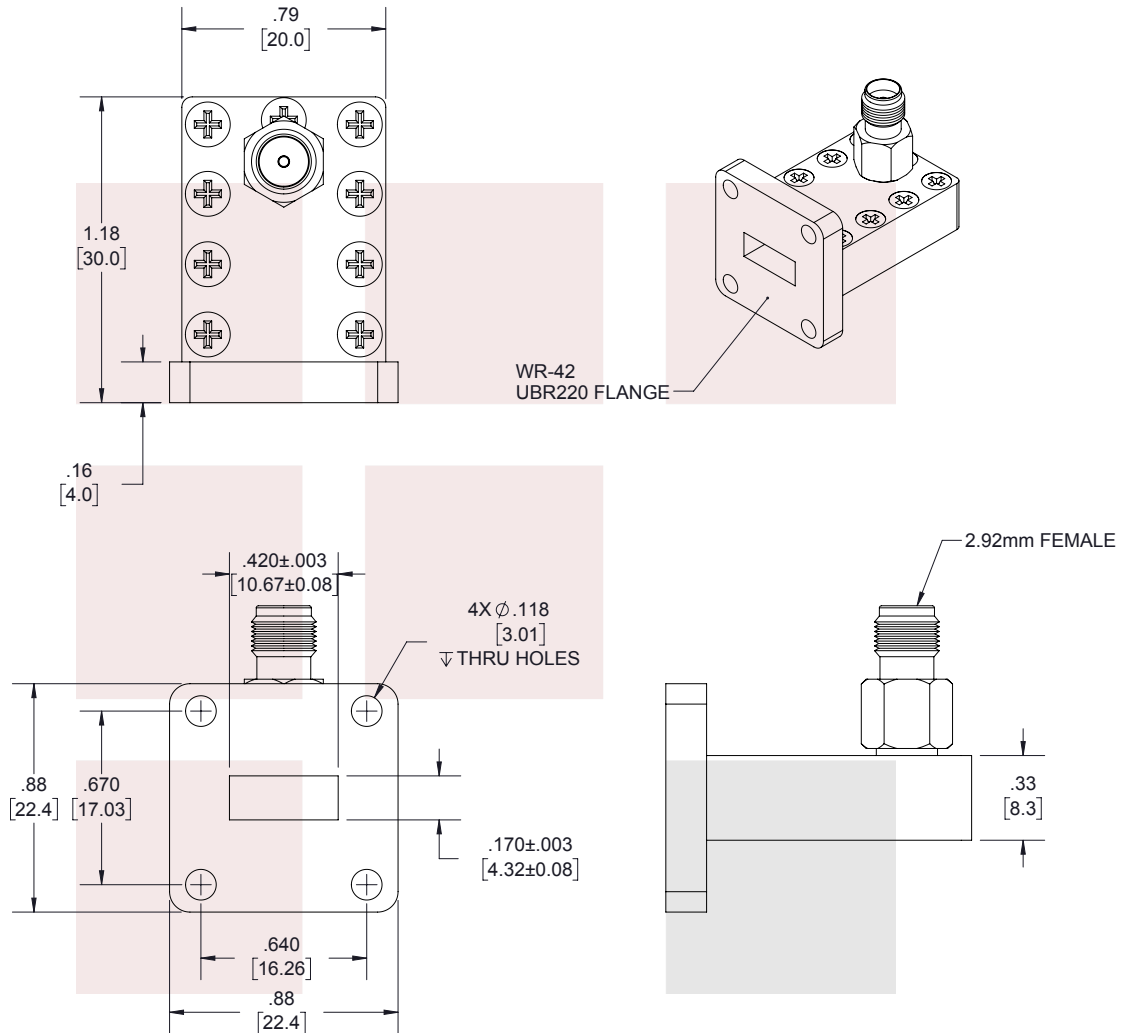
For additional information on this product, please click the following link: [WR-42 to 2.92mm Female Waveguide to Coax Adapter UBR220 with 17.6 GHz to 26.7 GHz in Brass FMWCA1101](#)

URL: <https://www.fairviewmicrowave.com/wr42-2.92mm-female-waveguide-coax-adapter-ubr220-fmwca1101-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	05/11/2020	SPONG



LABEL:

FAIRVIEW MICROWAVE
FMWCA1101
D/C: YYWW

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TITLE WR-42 to 2.92mm Female Waveguide to Coax Adapter UBR220 with 17.6 GHz to 26.7 GHz in Brass	.X = ±.2 [5.08] FRACTIONS L ≤ 12 [305] = +1 [25] / -0 .XX = ±.02 [.51] ± 1/32 12 [305] < L ≤ 60 [1524] = +2 [51] / -0 .XXX = ±.005 [.13] ANGLES ± 1° 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0 300 [7620] < L = +5%L / -0	SHEET 1 OF 1		
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.			SCALE N/A	
SIZE A	CAGE CODE 3FKR5	DRAWN BY BPUCHASKI	ITEM NO. FMWCA1101	REV A

T-Rev.D