

WR-430 to Type N Female Waveguide to Coax Adapter UDR22 with 1.72 GHz to 2.61 GHz in Aluminum

The FMWCA1079 is a right angle waveguide to coaxial adapter operating at a frequency range of 1.72 GHz to 2.61 GHz. This adapter offers a WR-430 waveguide interface size coupled with a precision tolerance UDR22 flange. The FMWCA1079 is constructed of aluminum and painted gray to ensure durability. The coaxial connector offered by this adapter uses an N Female connector.

Configuration

Waveguide Size	WR-430
Flange	UDR22
RF Connector	N Female
Body Geometry	Right Angle

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	1.72		2.61	GHz
VSWR			1.25:1	
Insertion Loss			0.2	dB
Input Power (CW)			100	Watts

Mechanical Specifications

Size	
Length	3.94 in [100.08 mm]
Width	6.34 in [161.04 mm]
Height	4.19 in [106.43 mm]

RF Connector	
Connector Type	N Female

Waveguide Interface	
Waveguide Type	WR-430
Flange Type	UDR22
Body Material and Plating	Aluminum

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

Plotted and Other Data

Notes:

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



Features:

- 1.72 GHz to 2.61 GHz Frequency Range
- WR-430 Waveguide Interface
- UDR22 Flange
- N 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-430 to Type N Female Waveguide to Coax Adapter UDR22 with 1.72 GHz to 2.61 GHz in Aluminum 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.

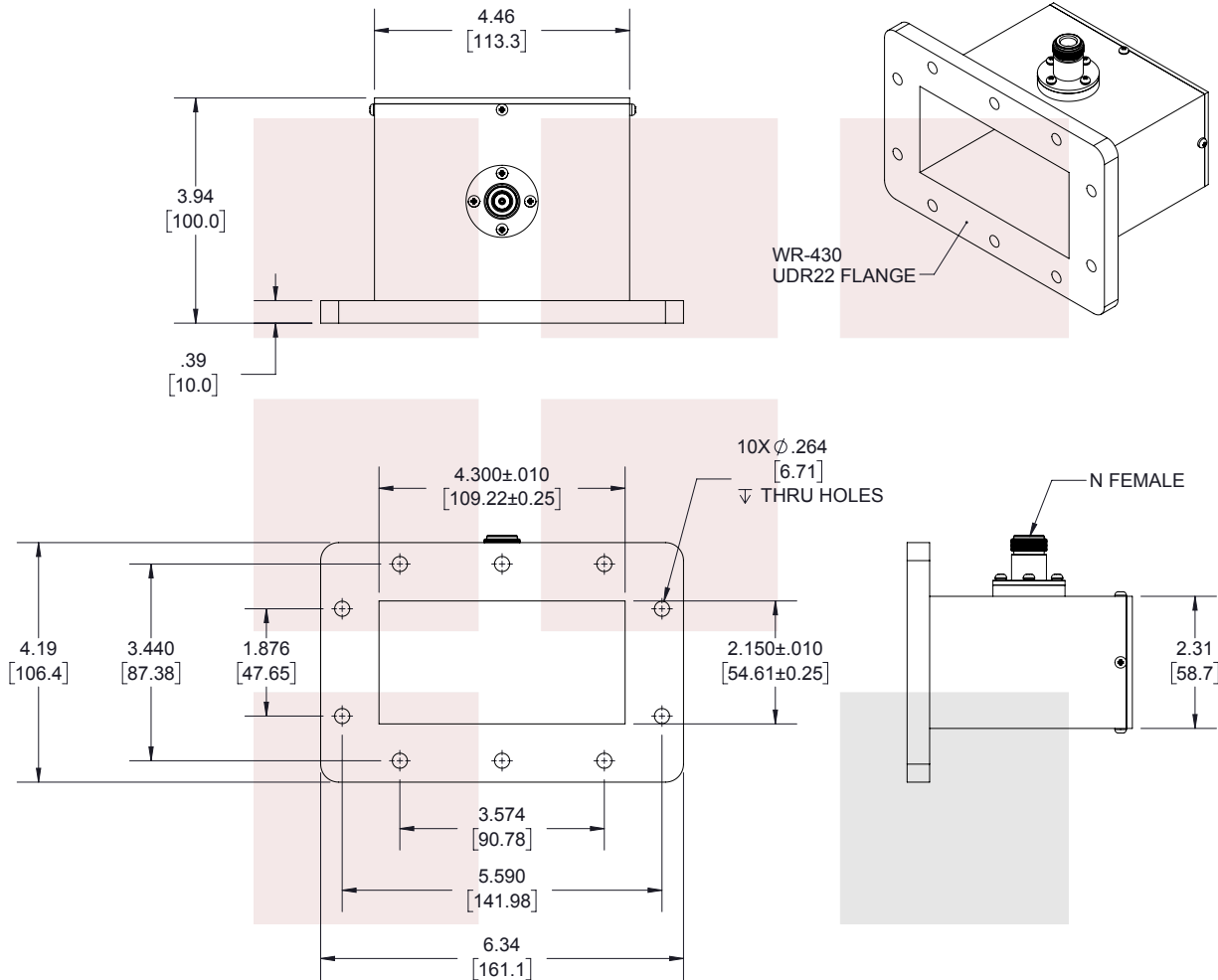
For additional information on this product, please click the following link: [WR-430 to Type N Female Waveguide to Coax Adapter UDR22 with 1.72 GHz to 2.61 GHz in Aluminum FMWCA1079](#)

URL: <https://www.fairviewmicrowave.com/wr430-type-n-female-waveguide-coax-adapter-udr22-fmwca1079-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/21/2020	SPONG



LABEL:

FAIRVIEW MICROWAVE
FMWCA1079
D/C: YYWW

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TITLE

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UDR22 with 1.72 GHz to 2.61 GHz in Aluminum

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.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

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE

N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY BPUCHASKI	ITEM NO. FMWCA1079	REV A
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T-Rev.D