

**WR-430 to N Female Waveguide to Coax Adapter
 UDR22 Flange With 1.7 GHz to 2.6 GHz Frequency
 Range For L-S Band**

The SMW430ACN is a waveguide to coaxial adapter with a frequency range of 1.7 to 2.6 GHz, operating in the L-S band. This adapter offers a precision tolerance UDR22 flange and a WR-430 waveguide interface size. SMW430ACN is constructed of aluminum to ensure durability and repeatable RF performance. The coaxial connector offered by this adapter uses an N female connector and the package is REACH and RoHS compliant.

Configuration

Waveguide Size	WR-430
Flange	UDR22
RF Connector	N Female
Impedance	50 Ohms
Body Geometry	Right Angle

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	1.7		2.6	GHz
VSWR			1.25:1	
Insertion Loss		0.15		dB
Input Power (CW)			300	Watts
Input Power (Peak)			3	KWatts

Mechanical Specifications

Size	
Length	3.94 in [100.08 mm]
Width	4.19 in [106.43 mm]
Height	6.34 in [161.04 mm]
Weight	1.41448 lbs [641.6 g]
RF Connector	
Connector Type	N Female
Specification	30μ in. min.
Contact Material and Plating	Beryllium Copper, Gold
Body Material and Plating	Passivated Stainless Steel
Waveguide Interface	
Waveguide Type	WR-430
Flange Type	UDR22
Body Material and Plating	Aluminum

Environmental Specifications

Temperature	
Operating Range	-55 to +120 deg C

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

Plotted and Other Data

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

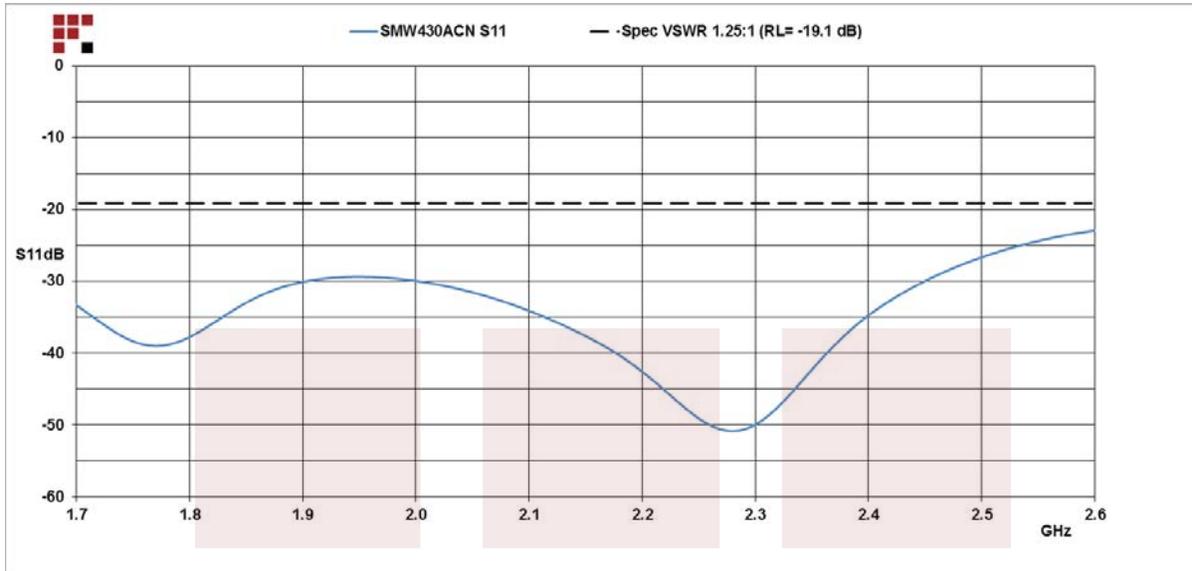


Features:

- L-S Band, 1.7 to 2.6 GHz Frequency Range
- WR-430 Waveguide Interface with UDR22 Flange
- N Female Coaxial Interface
- Comprehensive waveguide offerings also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

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Typical Performance Data

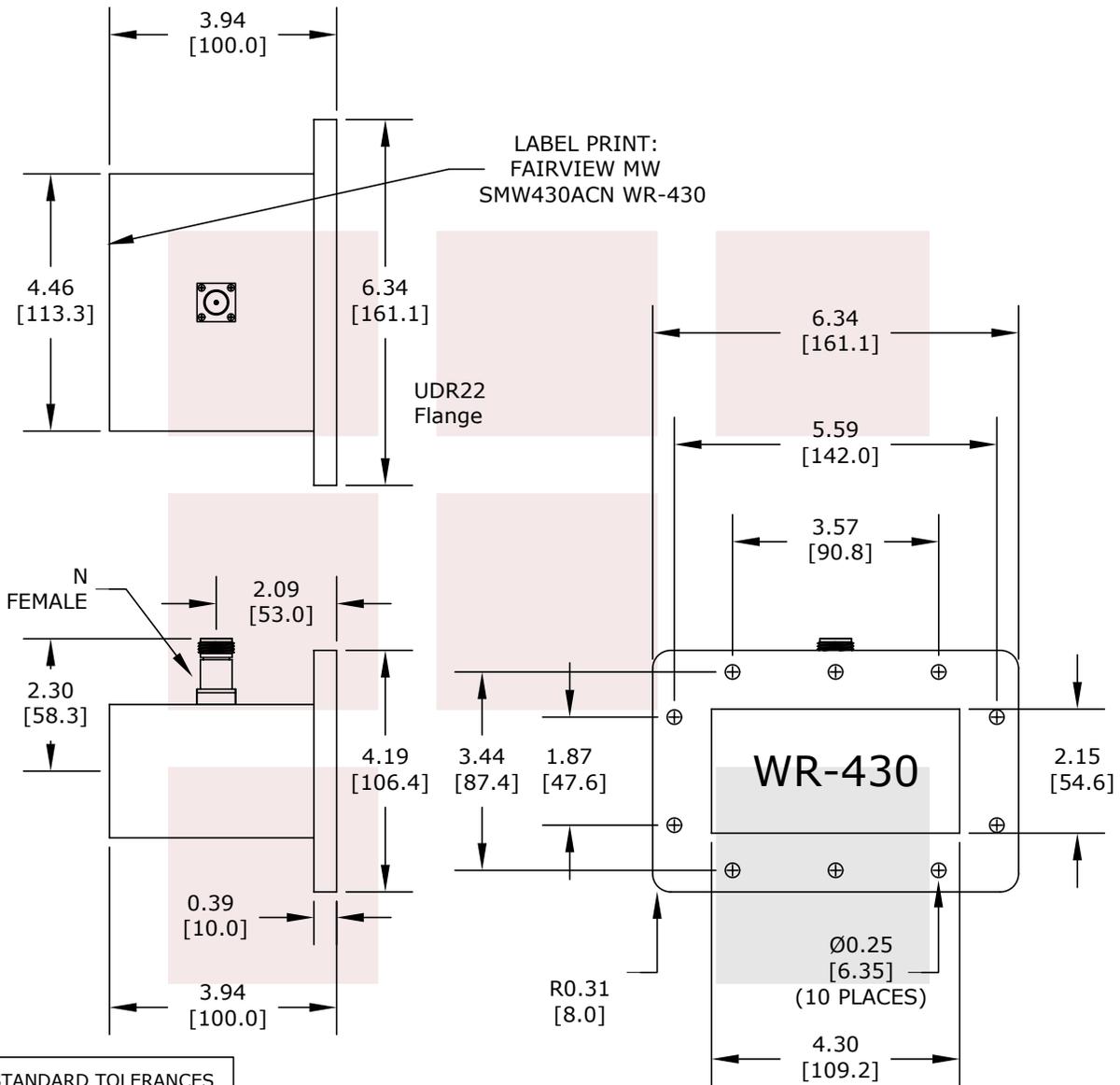


WR-430 to N Female Waveguide to Coax Adapter UDR22 Flange With 1.7 GHz to 2.6 GHz Frequency Range For L-S Band from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-430 to N Female Waveguide to Coax Adapter UDR22 Flange With 1.7 GHz to 2.6 GHz Frequency Range For L-S Band SMW430ACN](https://www.fairviewmicrowave.com/wr-430-n-female-connector-waveguide-coax-adapter-1.7-2.6-ghz-smw430acn-p.aspx)

URL: <https://www.fairviewmicrowave.com/wr-430-n-female-connector-waveguide-coax-adapter-1.7-2.6-ghz-smw430acn-p.aspx>

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STANDARD TOLERANCES	
.X	±0.2
.XX	±0.1
.XXX	±0.05

*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		CAGE CODE	
TITLE WR-430 to N Female Waveguide to Coax Adapter UDR22 Flange With 1.7 GHz to 2.6 GHz Frequency Range For L-S Band		SMW430ACN		3FKR5	
		CAD FILE	071516	SHEET	SCALE
				SIZE	A
				3045	