

90AC206NB DATA SHEET

WR-90 to N Female Waveguide to Coax Adapter UDR100 Flange With 8.2 GHz to 12.4 GHz Frequency Range For X Band

The 90AC206NB is a waveguide to coaxial adapter with a frequency range of 8.2 to 12.4 GHz, operating in the X band. This adapter offers a precision tolerance UDR100 flange and a WR-90 waveguide interface size. 90AC206NB 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-90
Flange UDR100
RF Connector N Female
Impedance 50 Ohms
Body Geometry Right Angle

Electrical Specifications

Description	Min	Тур	Max	Units
Frequency Range	8.2		12.4	GHz
VSWR			1.25:1	
Input Power (CW)			150	Watts
Input Power (Peak)			3	KWatts

Mechanical Specifications

Size

 Length
 2.09 in [53.09 mm]

 Width
 1.59 in [40.39 mm]

 Height
 1.52 in [38.61 mm]

 Weight
 0.12699 lbs [57.6 g]

RF Connector

Connector Type N Female

Contact Material and Plating

Body Material and Plating

Passivated Stainless Steel
Torque

13 in-lbs [1.47 Nm]

Waveguide Interface

Waveguide Type WR-90
Flange Type UDR100
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:

- X Band, 8.2 to 12.4 GHz
 Frequency Range
- WR-90 Waveguide Interface with UDR100 Flange
- N Female Coaxial Interface
- Comprehensive waveguide offerings also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

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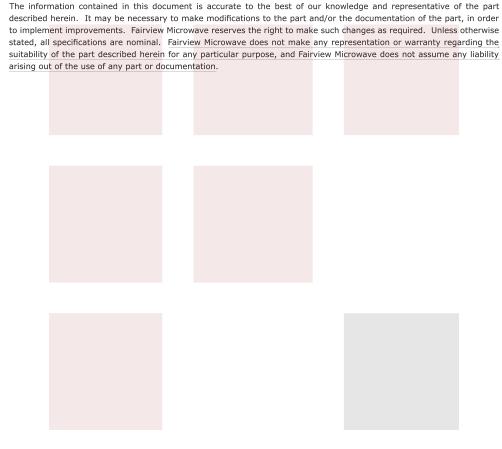




WR-90 to N Female Waveguide to Coax Adapter UDR100 Flange With 8.2 GHz to 12.4 GHz Frequency Range For X Band from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

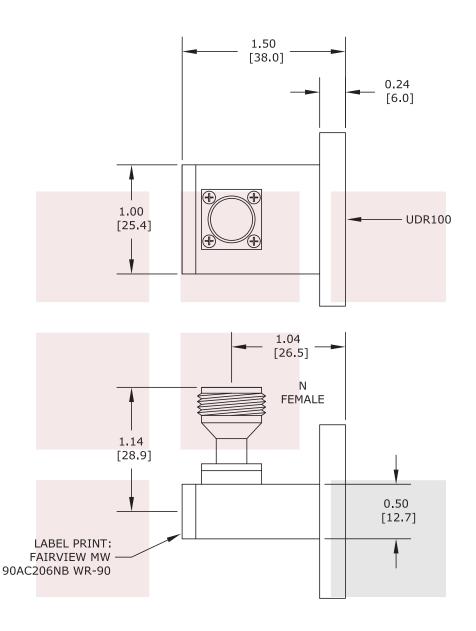
For additional information on this product, please click the following link: WR-90 to N Female Waveguide to Coax Adapter UDR100 Flange With 8.2 GHz to 12.4 GHz Frequency Range For X Band 90AC206NB

URL: https://www.fairviewmicrowave.com/wr-90-n-female-connector-waveguide-coax-adapter-8.2-12.4-ghz-90ac206nb-p.aspx









STANDARD TOLERANCES .X ±0.2

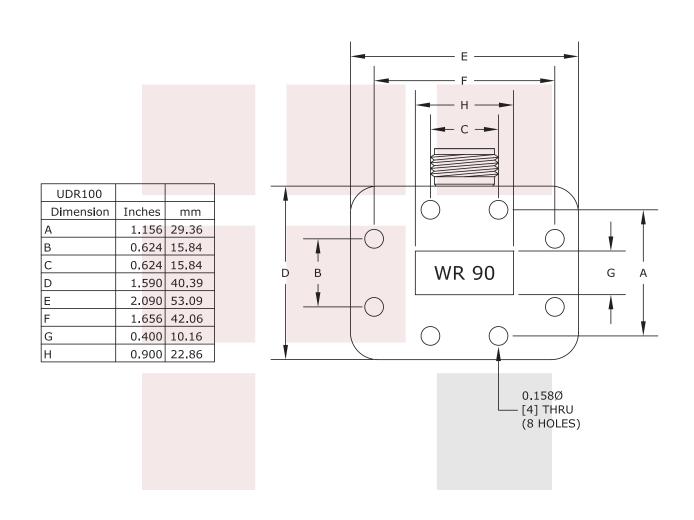
.X ±0.2 .XX ±0.1 .XXX ±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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].					
WR-90 to N Female Waveguide to Coax Adapter UDR100 Flange With 8.2 GHz to 12.4 GHz Frequency Range For X Band	DWG NO 90AC206NB			CAGE CODE 3FKR5		
	CAD FILE 072516	SHEET	SCALE N/.	A SIZE A	2233	







STANDARD TOLERANCES

.X ±0.2 .XX ±0.1 .XXX ±0.05

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