

**WR-284 to N Female Waveguide to Coax Adapter
 UDR32 Flange With 2.6 GHz to 3.95 GHz Frequency
 Range For S Band**

The SMW284ACN is a waveguide to coaxial adapter with a frequency range of 2.6 to 3.95 GHz, operating in the S band. This adapter offers a precision tolerance UDR32 flange and a WR-284 waveguide interface size. SMW284ACN 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-284
Flange	UDR32
RF Connector	N Female
Impedance	50 Ohms
Body Geometry	Right Angle

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	2.6		3.95	GHz
VSWR			1.25:1	
Insertion Loss		0.15		dB
Input Power (CW)			300	Watts
Input Power (Peak)			3	KWatts

Mechanical Specifications

Size

Length	4.5 in [114.3 mm]
Width	3 in [76.2 mm]
Height	3.11 in [78.99 mm]
Weight	0.6949 lbs [315.2 g]

RF Connector

Connector Type	N Female
Specification	30μ in. min.
Contact Material and Plating	Beryllium Copper, Gold
Body Material and Plating	Brass, Nickel

Waveguide Interface

Waveguide Type	WR-284
Flange Type	UDR32
Body Material and Plating	Aluminum

Environmental Specifications

Temperature

Operating Range	-55 to +120 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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

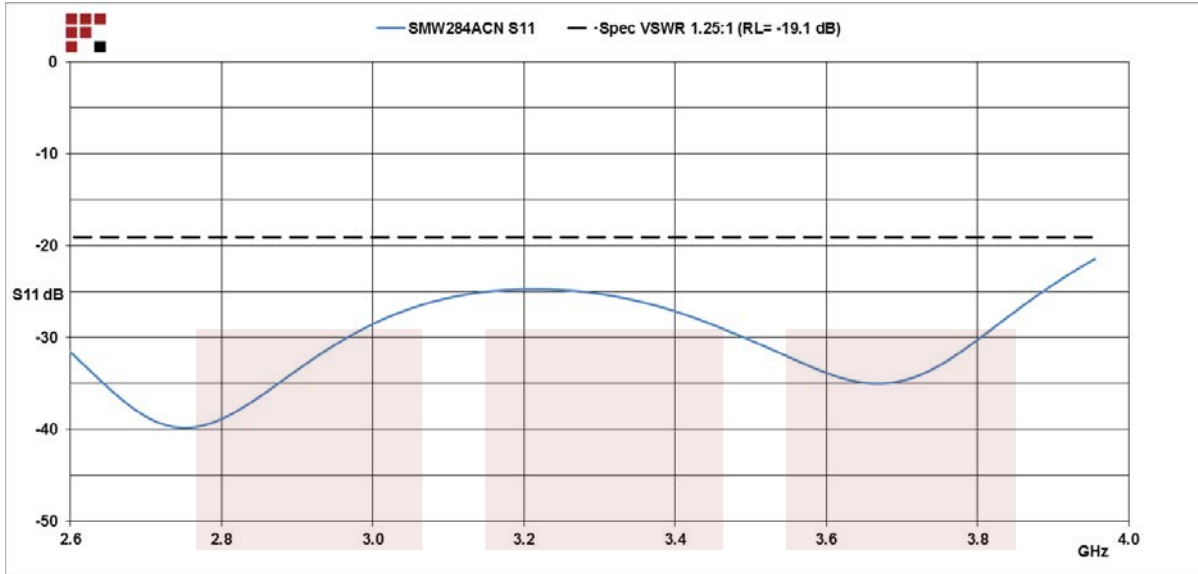


Features:

- S Band, 2.6 to 3.95 GHz Frequency Range
- WR-284 Waveguide Interface with UDR32 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

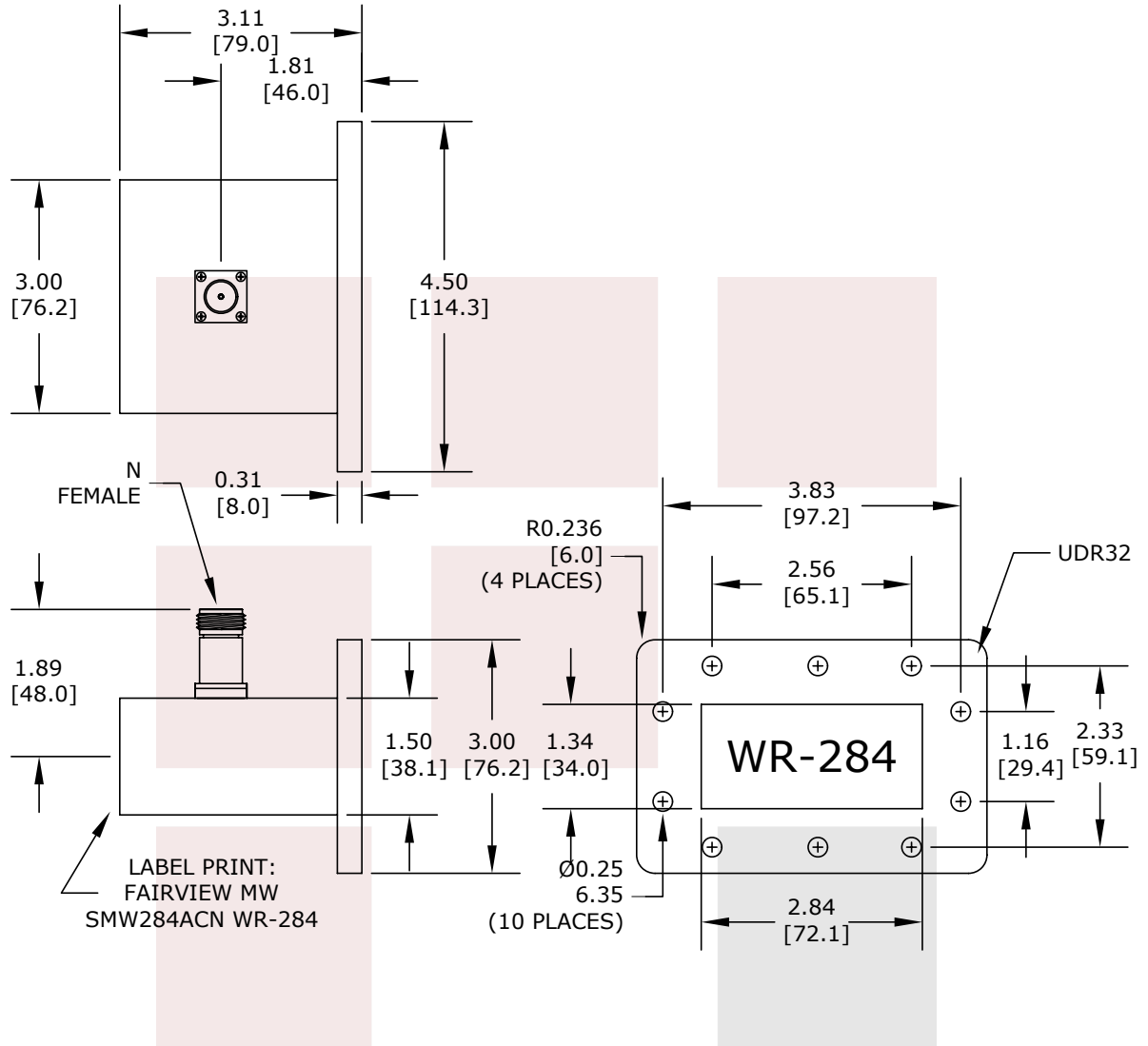


WR-284 to N Female Waveguide to Coax Adapter UDR32 Flange With 2.6 GHz to 3.95 GHz Frequency Range For S Band from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-284 to N Female Waveguide to Coax Adapter UDR32 Flange With 2.6 GHz to 3.95 GHz Frequency Range For S Band SMW284ACN](#)

URL: <https://www.fairviewmicrowave.com/wr-284-n-female-connector-waveguide-coax-adapter-2.6-3.95-ghz-smw284acn-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

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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].

TITLE

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UDR32 Flange With 2.6 GHz to 3.95 GHz Frequency
Range For S Band

DWG NO

SMW284ACN

CAGE CODE

3FKR5

CAD FILE

041316

SHEET

SCALE

N/A

SIZE

A 3045