

WR-284 CMR-284 Flange to N Female Waveguide to Coax Adapter Operating from 2.6 GHz to 3.95 GHz

The FMWCA9824 is a waveguide to coaxial adapter operating in the S band with a 2.6 to 3.95 GHz frequency range. This adapter offers a WR-284 waveguide interface size coupled with a precision tolerance CMR-284 flange. The FMWCA9824 is constructed of aluminum to ensure durability and repeatable RF performance.

Configuration

Waveguide Size	WR-284
Flange	CMR-284
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			1.3:1	
Input Power (Peak)			400	Watts

Mechanical Specifications

Size

Length	2.5 in [63.5 mm]
Width	3.85 in [97.79 mm]
Height	2.91 in [73.91 mm]
Weight	0.65 lbs [294.84 g]

RF Connector

Connector Type	N Female
Body Material and Plating	Stainless Steel

Waveguide Interface

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

Environmental Specifications

Temperature

Operating Range	-40 to +85 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:

- 2.6 to 3.95 GHz Frequency Range
- WR-284 Waveguide Interface
- CMR-284 Flange
- N Female RF Interface
- Right Angle

Applications:

- Test Benches
- Radar
- Satellite
- Microwave Radio Systems
- Military and Space
- Communication Systems

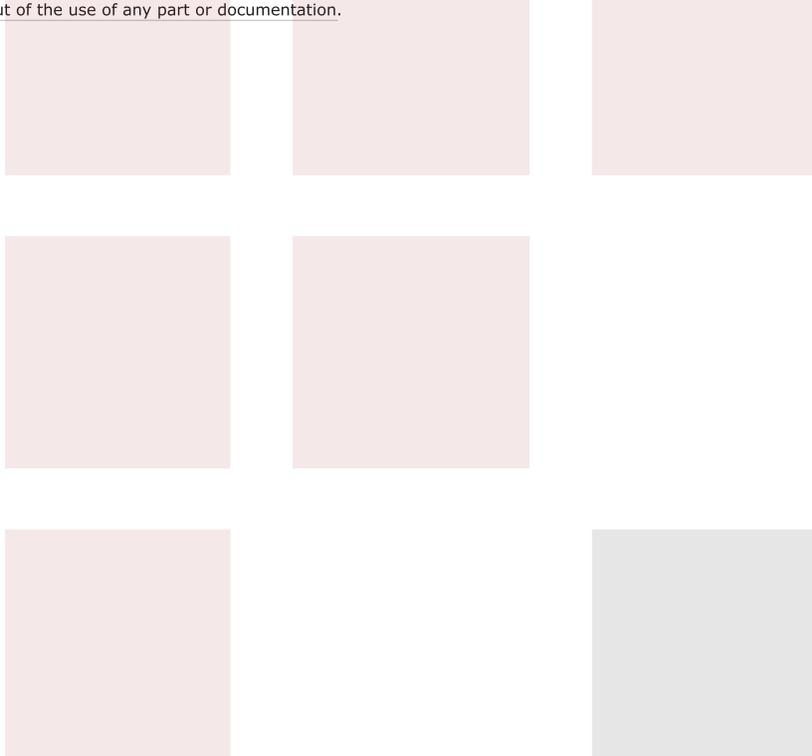
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WR-284 CMR-284 Flange to N Female Waveguide to Coax Adapter Operating from 2.6 GHz to 3.95 GHz from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified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

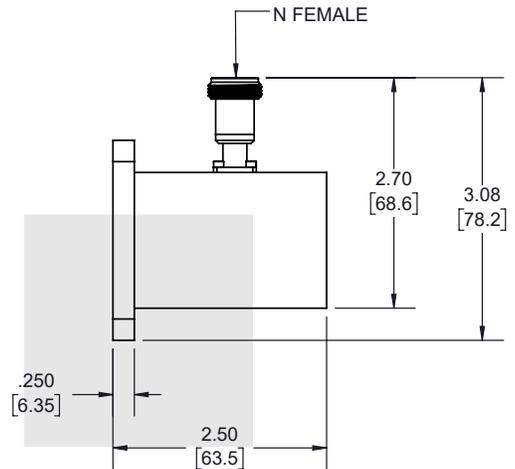
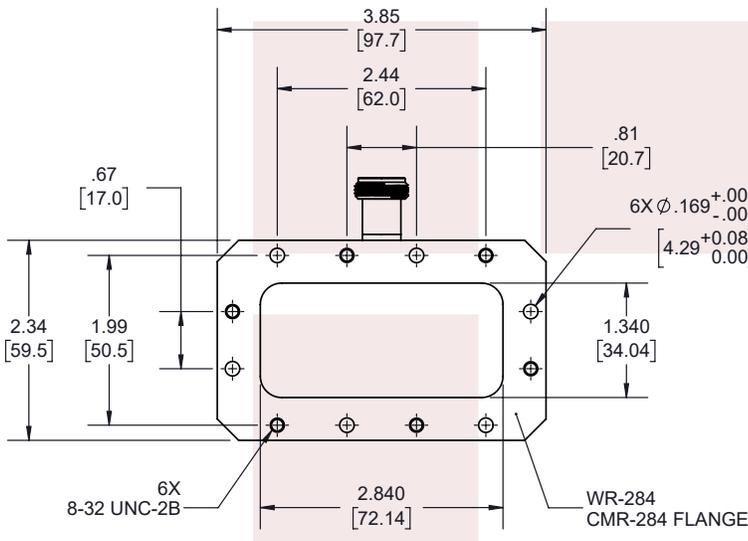
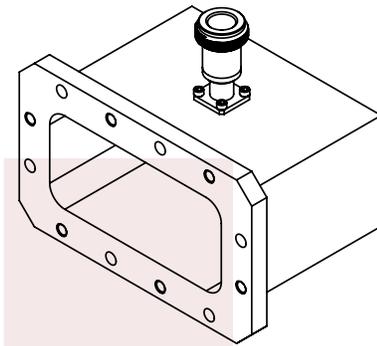
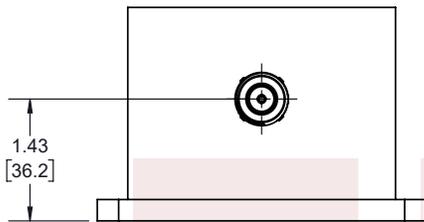
For additional information on this product, please click the following link: [WR-284 CMR-284 Flange to N Female Waveguide to Coax Adapter Operating from 2.6 GHz to 3.95 GHz FMWCA9824](#)

URL: <https://www.fairviewmicrowave.com/wr284-type-n-female-waveguide-coax-adapter-cmr-284-fmwca9824-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	3/15/2022	S. PONG



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

TOLERANCES:		CABLE LENGTH (L) TOLERANCES:	
.X = ± .02 [.51]	FRACTIONS ± 1/32	L ≤ 12 [305] = +1 [25] / -0	
.XX = ± .005 [.13]	ANGLES ± 1°	12 [305] < L ≤ 60 [1524] = +2 [51] / -0	
		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 K.DANG	ITEM NO. FMWCA9824	REV A
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T-Rev.D