

WR-62 Square Type Flange to End Launch N Female Waveguide to Coax Adapter Operating from 12.4 GHz to 18 GHz

The FMWCA9866 is a waveguide to coaxial adapter operating in the Ku band with a 12.4 to 18 GHz frequency range. This adapter offers a WR-62 waveguide interface size coupled with a precision tolerance Square Type flange. The FMWCA9866 is constructed of aluminum to ensure durability and repeatable RF performance. The package is REACH and RoHS compliant.

Configuration

Waveguide Size	WR-62
Flange	Square Type
RF Connector	N Female
Impedance	50 Ohms
Body Geometry	End Launch

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	12.4		18	GHz
VSWR			1.4:1	
Input Power (Peak)			250	Watts

Mechanical Specifications

Size	
Length	1.31 in [33.27 mm]
Width	1.31 in [33.27 mm]
Height	2.07 in [52.58 mm]
Weight	0.15 lbs [68.04 g]

RF Connector

Connector Type	N Female
Body Material and Plating	Stainless Steel

Waveguide Interface

Waveguide Type	WR-62
Flange Type	Square Type
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:

- 12.4 to 18 GHz Frequency Range
- WR-62 Waveguide Interface
- Square Type Flange
- N Female RF Interface
- End Launch

Applications:

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

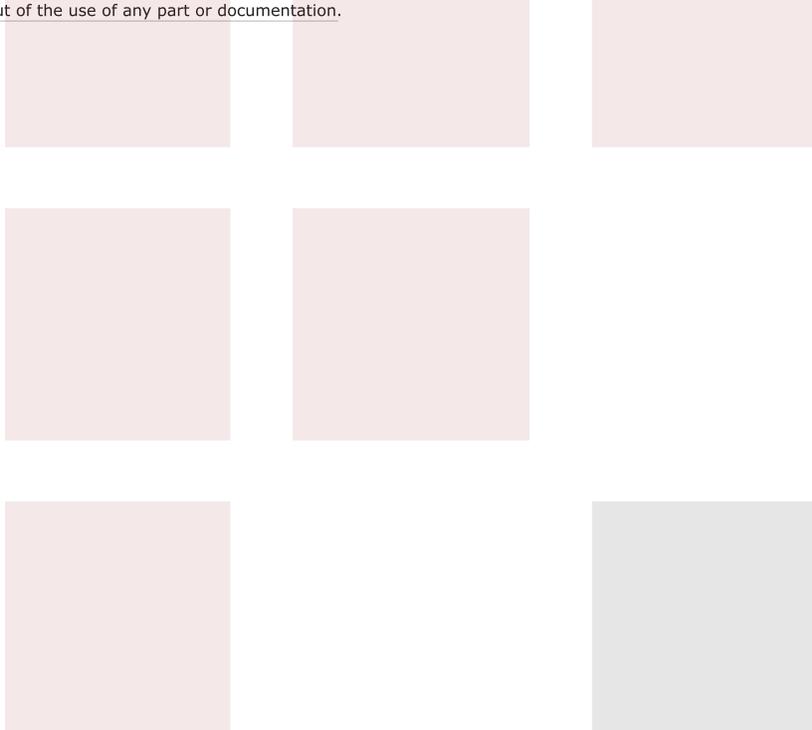
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WR-62 Square Type Flange to End Launch N Female Waveguide to Coax Adapter Operating from 12.4 GHz to 18 GHz from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

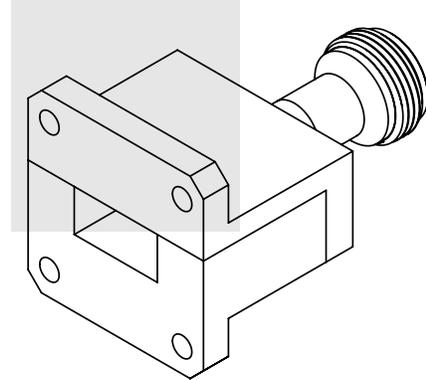
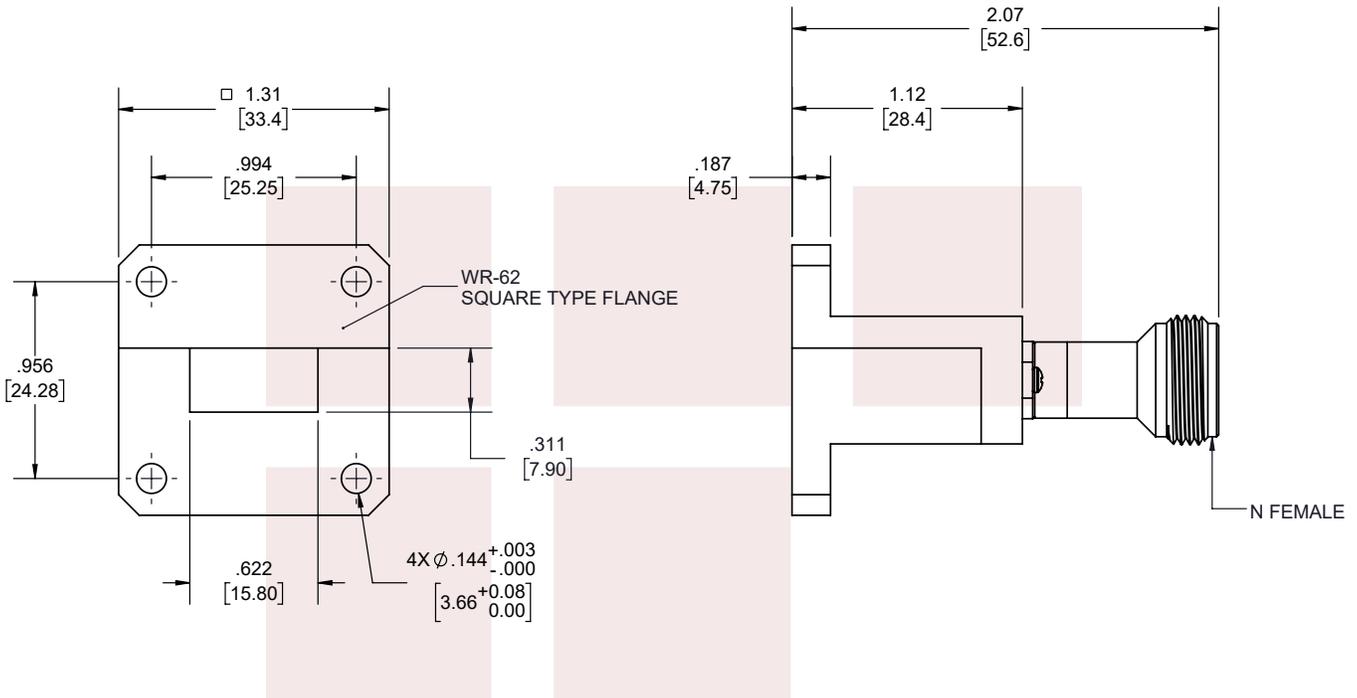
For additional information on this product, please click the following link: [WR-62 Square Type Flange to End Launch N Female Waveguide to Coax Adapter Operating from 12.4 GHz to 18 GHz FMWCA9866](#)

URL: <https://www.fairviewmicrowave.com/wr62-type-n-female-end-launch-waveguide-coax-adapter-square-fmw-ca9866-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	3/17/2022	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 = ±.2 [5.08]	FRACTIONS ± 1/32	L ≤ 12 [305] = +1 [25] / -0	
.XX = ±.02 [.51]		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 K.DANG	ITEM NO. FMWCA9866	REV A
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T-Rev.D