

WR-187 to SMA Female Waveguide to Coax Adapter UDR48 with 3.94 GHz to 5.99 GHz C Band in Alumi- num

The FMWCA1076 is a waveguide to coaxial adapter operating in the C Band with a 3.94 to 5.99 GHz frequency range. This adapter offers a WR-187 waveguide interface size coupled with a precision tolerance UDR48 flange. The FMWCA1076 is constructed of aluminum and painted to ensure durability. The coaxial connector offered by this adapter uses a SMA Female connector.

Configuration

Waveguide Size	WR-187
Flange	UDR48
RF Connector	SMA Female
Impedance	50 Ohms
Body Geometry	Right Angle

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	3.94		5.99	GHz
VSWR			1.25:1	
Input Power (CW)			50	Watts

Mechanical Specifications

Size

Length	2.64 in [67.06 mm]
Width	3.54 in [89.92 mm]
Height	2.5 in [63.5 mm]
Weight	0.375 lbs [170.1 g]

RF Connector

Connector Type	SMA Female
Body Material and Plating	Stainless Steel

Waveguide Interface

Waveguide Type	WR-187
Flange Type	UDR48
Body Material and Plating	Aluminum

Environmental Specifications

Temperature

Operating Range	-40 to +70 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:

- C band
- 3.94 to 5.99 GHz Frequency Range
- WR-187 Waveguide Interface
- UDR48 Flange
- SMA Female RF Interface
- Comprehensive waveguide offerings also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

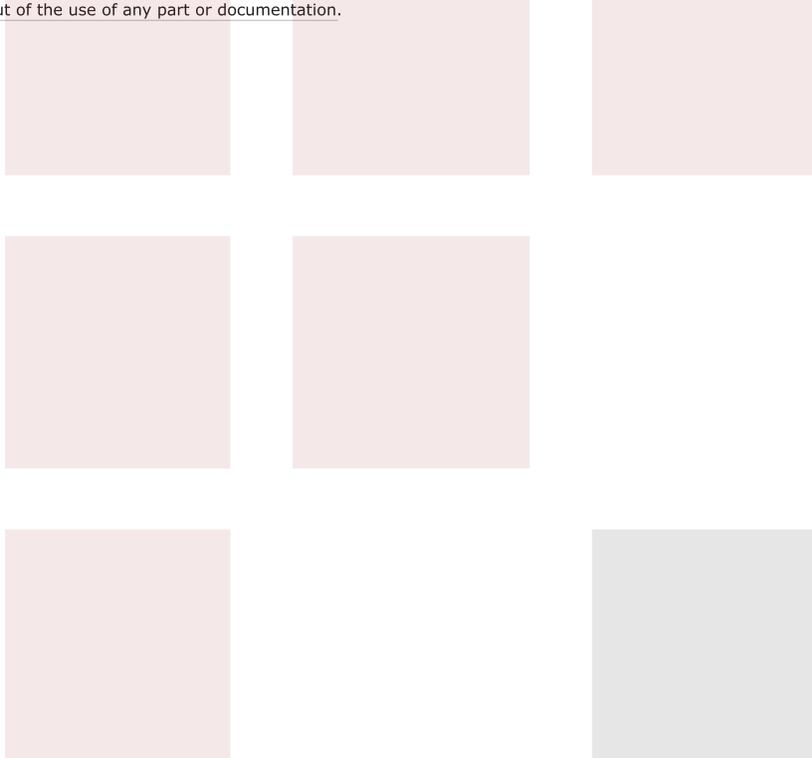
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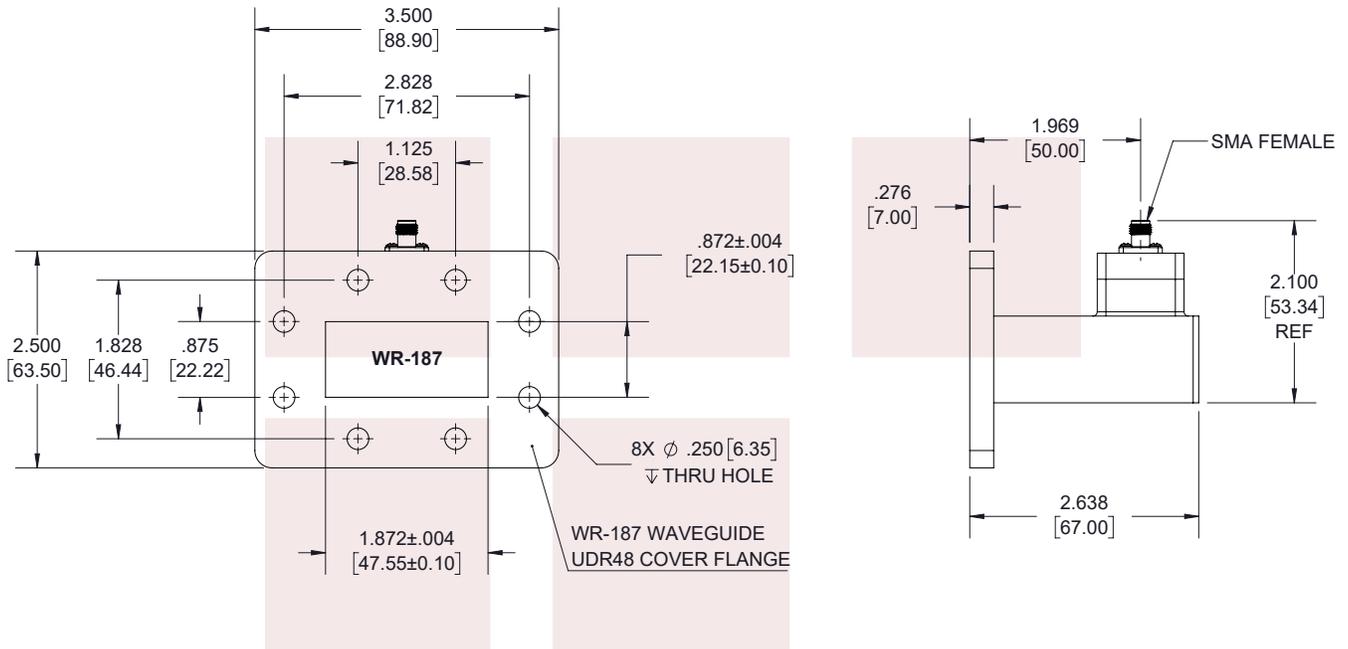
WR-187 to SMA Female Waveguide to Coax Adapter UDR48 with 3.94 GHz to 5.99 GHz C Band in Aluminum from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-187 to SMA Female Waveguide to Coax Adapter UDR48 with 3.94 GHz to 5.99 GHz C Band in Aluminum FMWCA1076](#)

URL: <https://www.fairviewmicrowave.com/wr187-sma-female-waveguide-coax-adapter-udr48-fmwca1076-p.aspx>

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STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

<p>Fairview Microwave an INFINIT® brand</p>		<p>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].</p>						
<p>TITLE WR-187 to SMA Female Waveguide to Coax Adapter UDR48 with 3.94 GHz to 5.99 GHz C Band in Aluminum</p>		<p>DWG NO FMWCA1076</p>		<p>CAGE CODE 3FKR5</p>				
CAD FILE	07/03/19	SHEET	1 OF 1	SCALE	N/A	SIZE	A	7361