

WR-137 to SMA Female Waveguide to Coax Adapter UDR70 with 5.38 GHz to 8.17 GHz in Aluminum

The FMWCA1088 is a right angle waveguide to coaxial adapter operating at a frequency range of 5.38 GHz to 8.17 GHz. This adapter offers a WR-137 waveguide interface size coupled with a precision tolerance UDR70 flange. The FMWCA1088 is constructed of aluminum and painted gray to ensure durability. The coaxial connector offered by this adapter uses an SMA Female connector.

Configuration

Waveguide Size	WR-137
Flange	UDR70
RF Connector	SMA Female
Body Geometry	Right Angle

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	5.38		8.17	GHz
VSWR			1.25:1	
Insertion Loss			0.2	dB
Input Power (CW)			100	Watts

Mechanical Specifications

Size	
Length	1.77 in [44.96 mm]
Width	2.69 in [68.33 mm]
Height	1.94 in [49.28 mm]

RF Connector	
Connector Type	SMA Female

Waveguide Interface	
Waveguide Type	WR-137
Flange Type	UDR70
Body Material and Plating	Aluminum

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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



Features:

- 5.38 GHz to 8.17 GHz Frequency Range
- WR-137 Waveguide Interface
- UDR70 Flange
- SMA Female RF Interface
- Comprehensive waveguide offering also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

Applications:

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

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WR-137 to SMA Female Waveguide to Coax Adapter UDR70 with 5.38 GHz to 8.17 GHz 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.

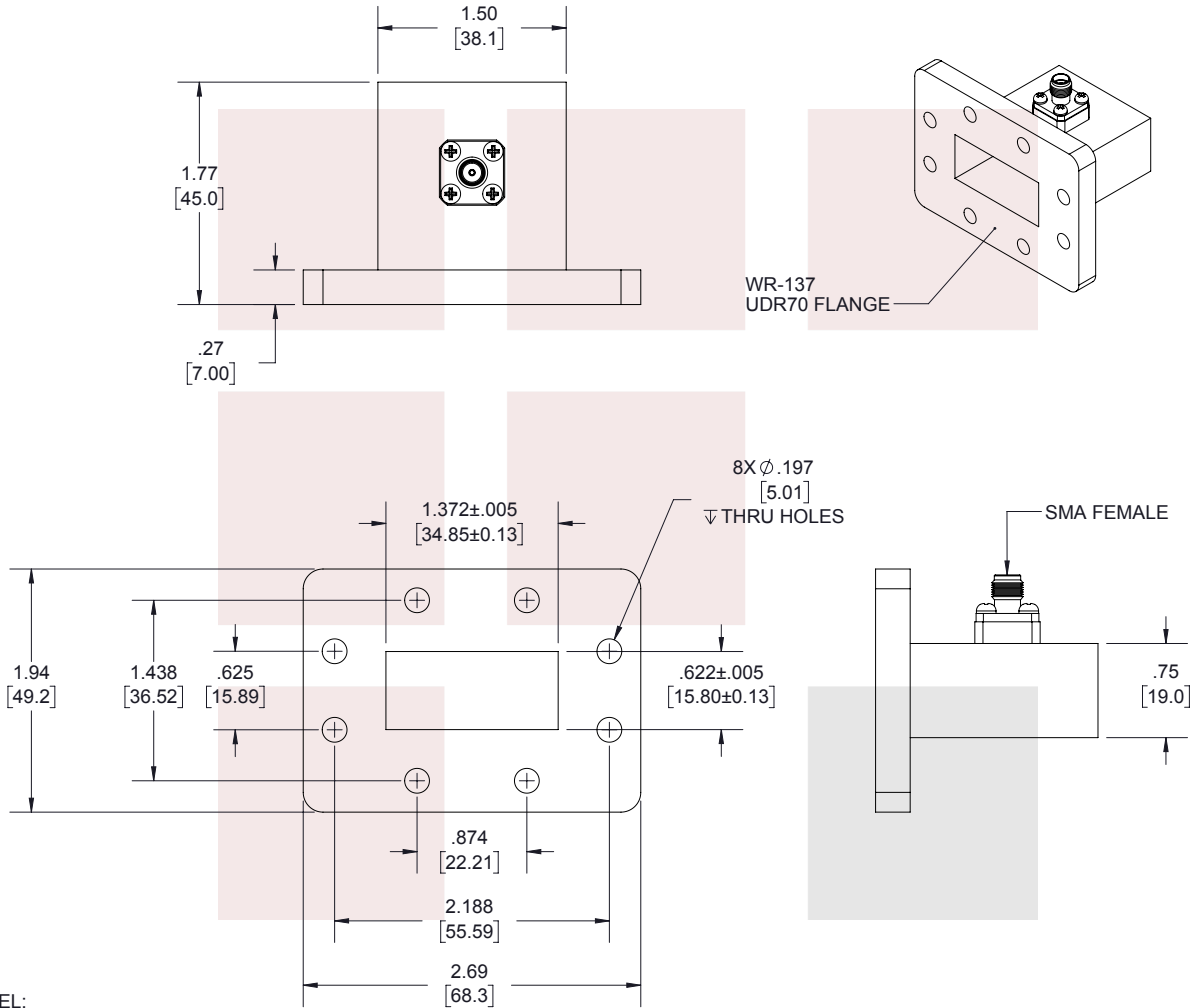
For additional information on this product, please click the following link: [WR-137 to SMA Female Waveguide to Coax Adapter UDR70 with 5.38 GHz to 8.17 GHz in Aluminum FMWCA1088](#)

URL: <https://www.fairviewmicrowave.com/wr137-sma-female-waveguide-coax-adapter-udr70-fmwca1088-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	05/05/2020	SPONG



LABEL:

FAIRVIEW MICROWAVE
FMWCA1088
D/C: YYWW

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TITLE

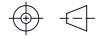
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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X = ±.2 [5.08]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0
.XX = ±.02 [.51]	± 1/32	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 BPUCHASKI	ITEM NO. FMWCA1088	REV A
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