

# WR-137 to Type N Female Waveguide to Coax Adapter UDR70 with 5.38 GHz to 8.17 GHz in Aluminum

The FMWCA1086 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 FMWCA1086 is constructed of aluminum and painted gray to ensure durability. The coaxial connector offered by this adapter uses an N Female connector.

#### Configuration

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

#### **Electrical Specifications**

Description	Min	Тур	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**

<b>Size</b> Length Width Height	2.69 in	[59.94 mm] [68.33 mm] [49.28 mm]
<b>RF Connector</b> Connector Type	N Fema	le
Waveguide Interface Waveguide Type Flange Type Body Material and Plati	WR-137 UDR70 Alumini	

#### **Environmental Specifications**

**Temperature** Operating Range

-40 to +70 deg C

Compliance Certifications (see product page for current document)

### **Plotted and Other Data**

Notes:

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

# DATA SHEET

**FMWCA1086** 



## Features:

- 5.38 GHz to 8.17 GHz Frequency Range
- WR-137 Waveguide Interface
- UDR70 Flange
- N Female RF Interface
- Comprenhensive 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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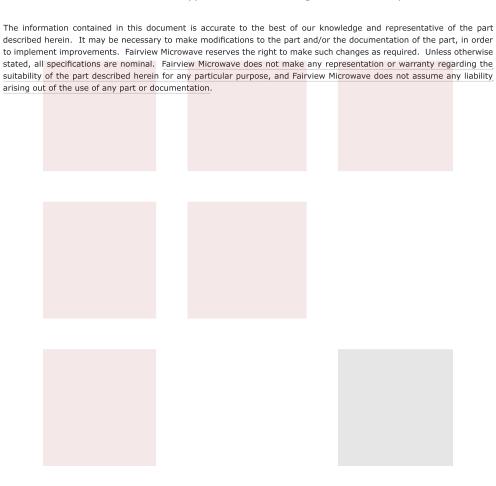




WR-137 to Type N Female Waveguide to Coax Adapter UDR70 with 5.38 GHz to 8.17 GHz in Aluminum from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: WR-137 to Type N Female Waveguide to Coax Adapter UDR70 with 5.38 GHz to 8.17 GHz in Aluminum FMWCA1086

URL: https://www.fairviewmicrowave.com/wr137-type-n-female-waveguide-coax-adapter-udr70-fmwca1086-p.aspx

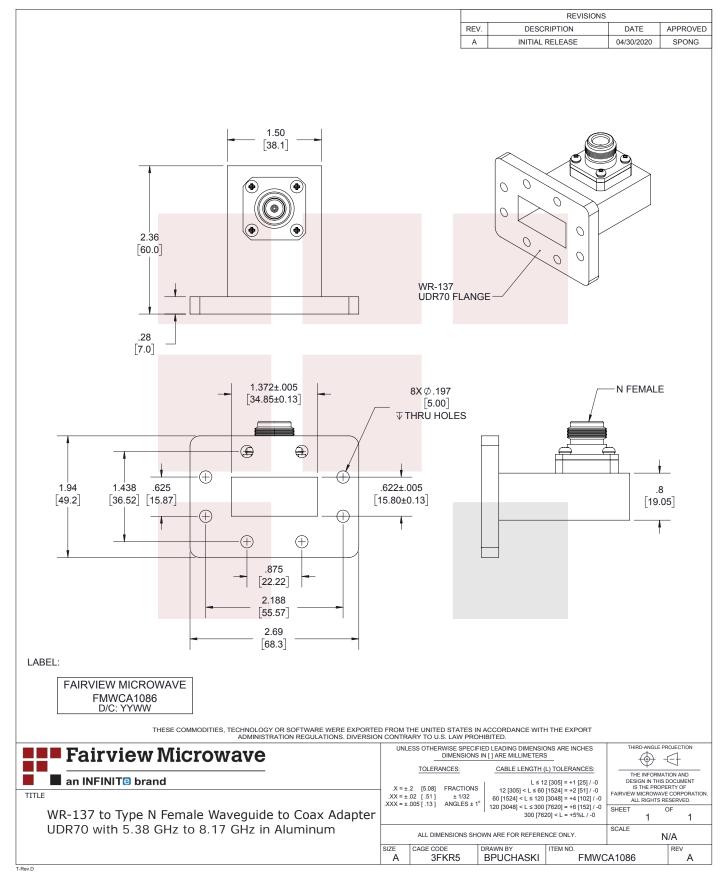


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