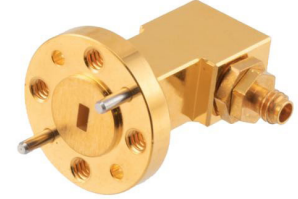


WR-12 to 1.0mm Female Waveguide to Coax Adapter UG-387/U Round Cover Flange with 60 GHz to 90 GHz E Band in Aluminum, Gold



FM-W12CA001A

Features

- E Band, 60 to 90 GHz Frequency Range
- WR-12 Waveguide
- UG-387/U Round Cover Flange
- 1.0 mm Female RF Interface
- Comprehensive waveguide offerings also include E-Bends, H-Bends, Sections, Filters, Terminations, Couplers, and more.

Description

The FM-W12CA001A is a waveguide to coaxial adapter operating in the E Band with a 60 to 90 GHz frequency range. This adapter offers a WR-12 waveguide interface size coupled with a precision tolerance UG-387/U Round Cover flange. The FM-W12CA001A is constructed of aluminum and plated in gold to ensure durability and repeatable RF performance. The coaxial connector offered by this adapter uses a 1 mm Female Connector endorsed by the International Electrotechnical Commission (IEC).

Configuration

Waveguide Size	WR-12
Flange	UG-387/U Round Cover
RF Connector	1.0mm Female
Impedance	50 Ohms
Body Geometry	Right Angle

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	60		90	GHz
VSWR		1.4:1		
Insertion Loss		1		dB
Input Power (CW)			10	Watts

Mechanical Specifications

Size	
Length	1 in [25.4 mm]
Width	0.75 in [19.05 mm]
Height	0.761 in [19.33 mm]
Weight	0.03 lbs [13.61 g]

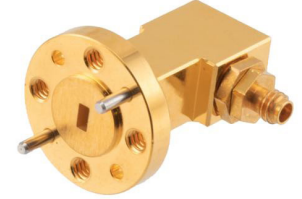
RF Connector	
Connector Type	1.0mm Female

Waveguide Interface	
Waveguide Type	WR-12
Flange Type	Round Cover
Flange Designation	UG-387/U
Body Material and Plating	Aluminum, Gold

Environmental Specifications

Temperature	
Operating Range	-15 to +60 deg C

WR-12 to 1.0mm Female Waveguide to Coax Adapter UG-387/U Round Cover Flange with 60 GHz to 90 GHz E Band in Aluminum, Gold



FM-W12CA001A

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

Plotted and Other Data

Notes:

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

Typical Performance Data

WR-12 to 1.0mm Female Waveguide to Coax Adapter UG-387/U Round Cover Flange with 60 GHz to 90 GHz E Band in Aluminum, Gold 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-12 to 1.0mm Female Waveguide to Coax Adapter UG-387/U Round Cover Flange with 60 GHz to 90 GHz E Band in Aluminum, Gold FM-W12CA001A](#)

URL: <https://www.fairviewmicrowave.com/wr12-1.0mm-female-waveguide-coax-adapter-ug387-round-fm-w12ca001a-p.aspx>

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