



Conical Gain Horn Waveguide Antenna, WR-10, 77 GHz to 87 GHz, UG-387/U Round Cover Flange, 10 dBi Nominal Gain

Waveguide conical gain horn antennas are used in a wide variety of applications due to their high power handling capability, low loss, high directivity, and near constant electrical performance across a broad bandwidth. Fairview Microwave's FMWAN1053 WR-10 waveguide conical gain horn antenna operating from 77 GHz to 87 GHz with a nominal 10 dBi gain is part of our full line of RF components available for same-day shipping. This Fairview Microwave circular horn antenna has a gold plated brass body and a precision tolerance UG-387/U round cover flange. The FMWAN1053 WR-10 waveguide conical gain horn antenna offers low gain variation across its operating frequency range.



Design WR-10 Conical Gain Horn

Pattern Directional Polarization Linear

Electrical Specifications

Description	Min	Тур	Max	Units
Frequency Range	77		87	GHz
Nominal Gain		10		dBi
Horizontal 3dB Beam Width	า	58		Deg
Vertical 3dB Beam Width		53		Deg
VSWR		1.15:1		

Mechanical Specifications

Size

Lenath 1.16 in [29.46 mm] Width/Diameter 0.75 in [19.05 mm] Height 0.75 in [19.05 mm] Weight 0.048 lbs [21.77 g]

Waveguide Interface

Waveguide Size WR-10 Flange Type Round Cover Flange Designation UG-387/U Body Material and Plating Brass, Gold

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:



Features:

- Circular Waveguide Interface
- 77 GHz to 87 GHz
- 10 dBi Nominal Gain
- UG-387/U Round Cover Flange

Applications:

- Antenna Measurements
- Wireless Communication
- · Laboratory Use
- Microwave Radio Systems

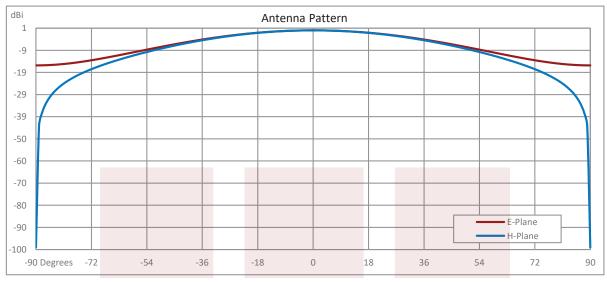
Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689 www.fairviewmicrowave.com

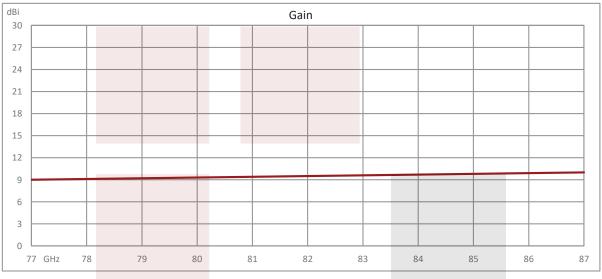
sales@fairviewmicrowave.com





Typical Performance Data





Conical Gain Horn Waveguide Antenna, WR-10, 77 GHz to 87 GHz, UG-387/U Round Cover Flange, 10 dBi Nominal Gain 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 Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: Conical Gain Horn Waveguide Antenna, WR-10, 77 GHz to 87 GHz, UG-387/U Round Cover Flange, 10 dBi Nominal Gain FMWAN1053

URL: https://www.fairviewmicrowave.com/wr-10-waveguide-standard-gain-horn-10-dbi-ug-387-fmwan1053-p.aspx

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