

WR-28 Waveguide Standard Gain Horn Antenna With UG-599/U Flange, 10 dBi Gain and 26.5 GHz to 40 GHz

The Pro-series WR-28 FM9850B-10 standard gain horn antenna (also known as waveguide horn) from Fairview Microwave has a nominal gain of 10 dBi. The Fairview Microwave 10 dBi WR-28 horn antenna operates from 26.5 GHz to 40 GHz. This WR-28 standard gain horn has a UG-599/U type flange. The WR-28 FM9850B-10 waveguide horn is part of over 40,000 RF, microwave and millimeter wave components available from Fairview Microwave.

Waveguide standard 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. The Pro-series gain horns are US made and TAA compliant. Fairview Microwave's WR-28 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and rectangular input. Pro-series WR-28 standard gain horn antenna can ship the same day to anywhere in the world.

Configuration

Design	WR-28 Standard Gain Horn
Pattern	Directional
Polarization	Linear

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	26.5		40	GHz
Impedance		50		Ohms
Nominal Gain		10		dB
VSWR		1.5:1		

Mechanical Specifications

Size	
Length	1 in [25.4 mm]
Width/Diameter	0.45 in [11.43 mm]
Height	0.33 in [8.38 mm]

Waveguide Interface

Waveguide Size	WR-28
Flange Type	Square Cover
Flange Designation	UG-599/U
Body Material and Plating	Aluminum



Features:

- WR-28 Rectangular Waveguide Interface
- 26.5 GHz to 40 GHz
- 10 dBi Nominal Gain
- UG-599/U Cover Flange

Applications:

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

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

Plotted and Other Data

Notes:

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WR-28 Waveguide Standard Gain Horn Antenna With UG-599/U Flange, 10 dBi Gain and 26.5 GHz to 40 GHz 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.

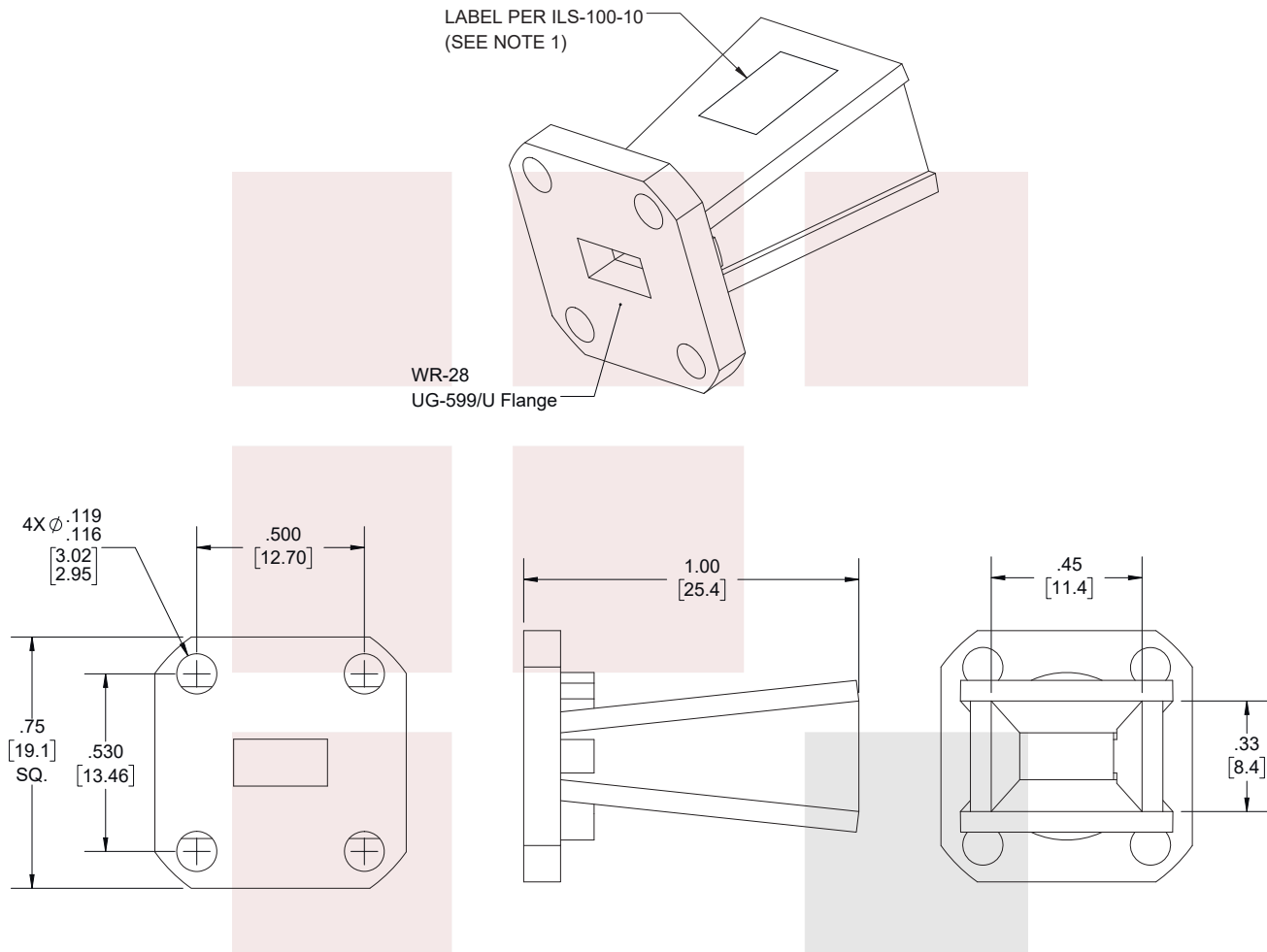
For additional information on this product, please click the following link: [WR-28 Waveguide Standard Gain Horn Antenna With UG-599/U Flange, 10 dBi Gain and 26.5 GHz to 40 GHz FM9850B-10](#)

URL: <https://www.fairviewmicrowave.com/wr-28-waveguide-standard-gain-horn-10-db-ug-599-fm9850b-10-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/03/2020	KHIETPAS



NOTES:

1. LABEL PER ILS-100-10 (FOR INTERNAL REFERENCE ONLY)
LABEL LOCATION FOR REFERENCE ONLY

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<p>WR-28 Waveguide Standard Gain Horn Antenna With UG-599/U Flange, 10 dBi Gain and 26.5 GHz to 40 GHz</p>		<p>CABLE LENGTH (L) TOLERANCES:</p>		<p>SHEET 1 OF 1</p>	
<p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>		<p>SCALE N/A</p>		<p>REV A</p>	
SIZE A	CAGE CODE 3FKR5	DRAWN BY BPUCHASKI	ITEM NO. FM9850B-10		

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