

WR-284 Standard Gain Horn Antenna Operating From 2.6 GHz to 3.95 GHz, 20 dBi Nominal Gain, UG-584/U Round Flange, ProLine

The Pro-series WR-284 FM9863B-20-U standard gain horn antenna (also known as waveguide horn) from Fairview Microwave has a nominal gain of 20 dBi. The Fairview Microwave 20 dBi WR-284 horn antenna operates from 2.6 GHz to 3.95 GHz. This WR-284 standard gain horn has a UG-584/U Round type flange. The WR-284 FM9863B-20-U 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-284 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and rectangular input. Pro-series WR-284 standard gain horn antenna can ship the same day to anywhere in the world.

Configuration

Design	WR-284 Standard Gain Horn
Pattern	Directional
Polarization	Linear

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	2.6		3.95	GHz
Nominal Gain		20		dB
VSWR		1.5:1		

Mechanical Specifications

Size	
Length	29.75 in [755.65 mm]
Width/Diameter	15.7 in [398.78 mm]
Height	10.8 in [274.32 mm]

Waveguide Interface

Waveguide Size	WR-284
Flange Type	Round Cover
Flange Designation	UG-584/U
Body Material and Plating	Aluminum



Features:

- WR-284 Rectangular Waveguide Interface
- 2.6 GHz to 3.95 GHz
- 20 dBi Nominal Gain
- UG-584/U Round Cover Flange

Applications:

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

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

Plotted and Other Data

Notes:

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 Lewisville, TX 75056
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WR-284 Standard Gain Horn Antenna Operating From 2.6 GHz to 3.95 GHz, 20 dBi Nominal Gain, UG-584/U Round Flange, ProLine 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.

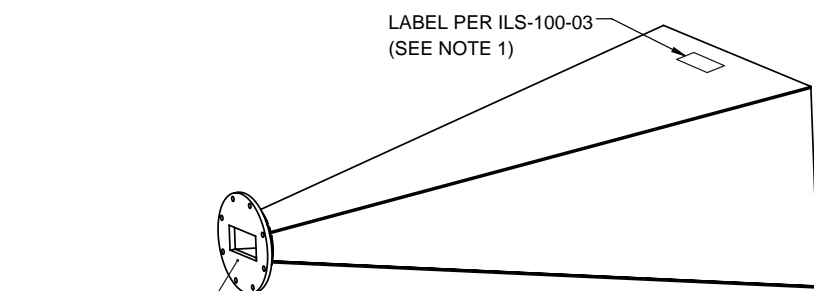
For additional information on this product, please click the following link: [WR-284 Standard Gain Horn Antenna Operating From 2.6 GHz to 3.95 GHz, 20 dBi Nominal Gain, UG-584/U Round Flange, ProLine FM9863B-20-U](#)

URL: <https://www.fairviewmicrowave.com/wr-284-waveguide-standard-gain-horn-20-db-ug-584-fm9863b-20-u-p.aspx>

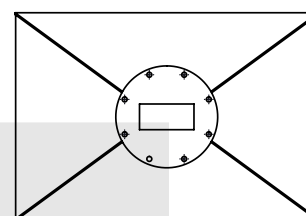
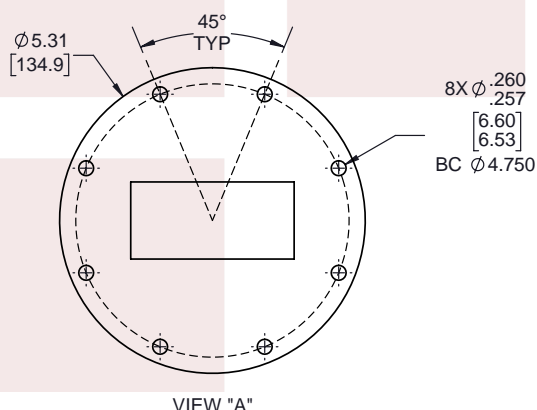
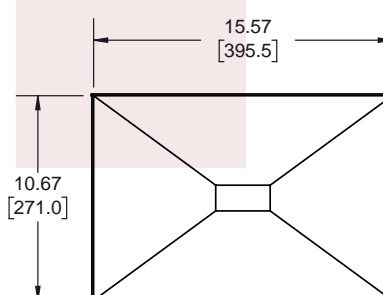
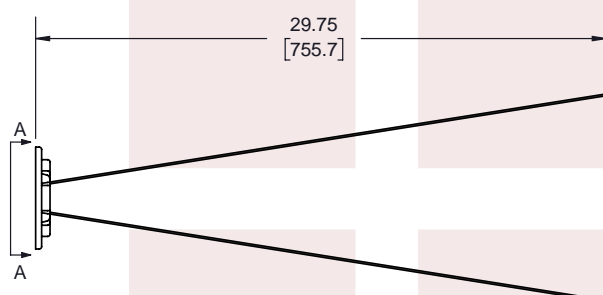
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/03/2020	KHIETPAS



WR-284
UG 584/



NOTES:

1. LABEL PER ILS-100-03 (FOR INTERNAL REFERENCE ONLY)
 LABEL LOCATION FOR REFERENCE ONLY

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TITEL

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Round Flange, ProLine

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

TOI FRANCES:

.X = ±.2	[.5.08]	FRACTIONS
.XX = ±.02	[.51]	± 1/32
.XXX = ±.005	[.13]	ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

$$\begin{aligned} L &\leq 12 \text{ [305]} = +1 \text{ [25]} / -0 \\ 12 \text{ [305]} &< L \leq 60 \text{ [1524]} = +2 \text{ [51]} / -0 \\ 60 \text{ [1524]} &< L \leq 120 \text{ [3048]} = +4 \text{ [102]} / -1 \\ 120 \text{ [3048]} &< L \leq 300 \text{ [7620]} = +6 \text{ [152]} / -1 \\ 300 \text{ [7620]} &< L = +5\%L / -0 \end{aligned}$$

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE	N/A
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ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE	A
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CAGE CODE	3FKI
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DRAWN BY
BPUCH

ITEM NO.	
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NO. FM9863B-20-11

REV	A
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