

WR-75 Standard Waveguide Horn With Square Cover Flange and 20 dBi Nominal Gain Operating From 10 GHz to 15 GHz Frequency Range

The Pro-series WR-75 FM9855B-20 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-75 horn antenna operates from 10 GHz to 15 GHz. This WR-75 standard gain horn has a square type flange. The WR-75 FM9855B-20 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-75 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and rectangular input. Pro-series WR-75 standard gain horn antenna can ship the same day to anywhere in the world.

Configuration

Design	WR-75 Standard Gain Horn
Pattern	Directional
Polarization	Linear

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	10		15	GHz
Nominal Gain		20		dB
VSWR		1.5:1		

Mechanical Specifications

Size	
Length	8 in [203.2 mm]
Width/Diameter	4 in [101.6 mm]
Height	3.1 in [78.74 mm]
Weight	0.2 lbs [90.72 g]

Waveguide Interface

Waveguide Size	WR-75
Flange Type	Square Cover
Body Material and Plating	Aluminum



Features:

- WR-75 Rectangular Waveguide Interface
- 10 GHz to 15 GHz
- 20 dBi Nominal Gain
- Square Cover Flange

Applications:

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

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

Plotted and Other Data

Notes:

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WR-75 Standard Waveguide Horn With Square Cover Flange and 20 dBi Nominal Gain Operating From 10 GHz to 15 GHz Frequency Range 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.

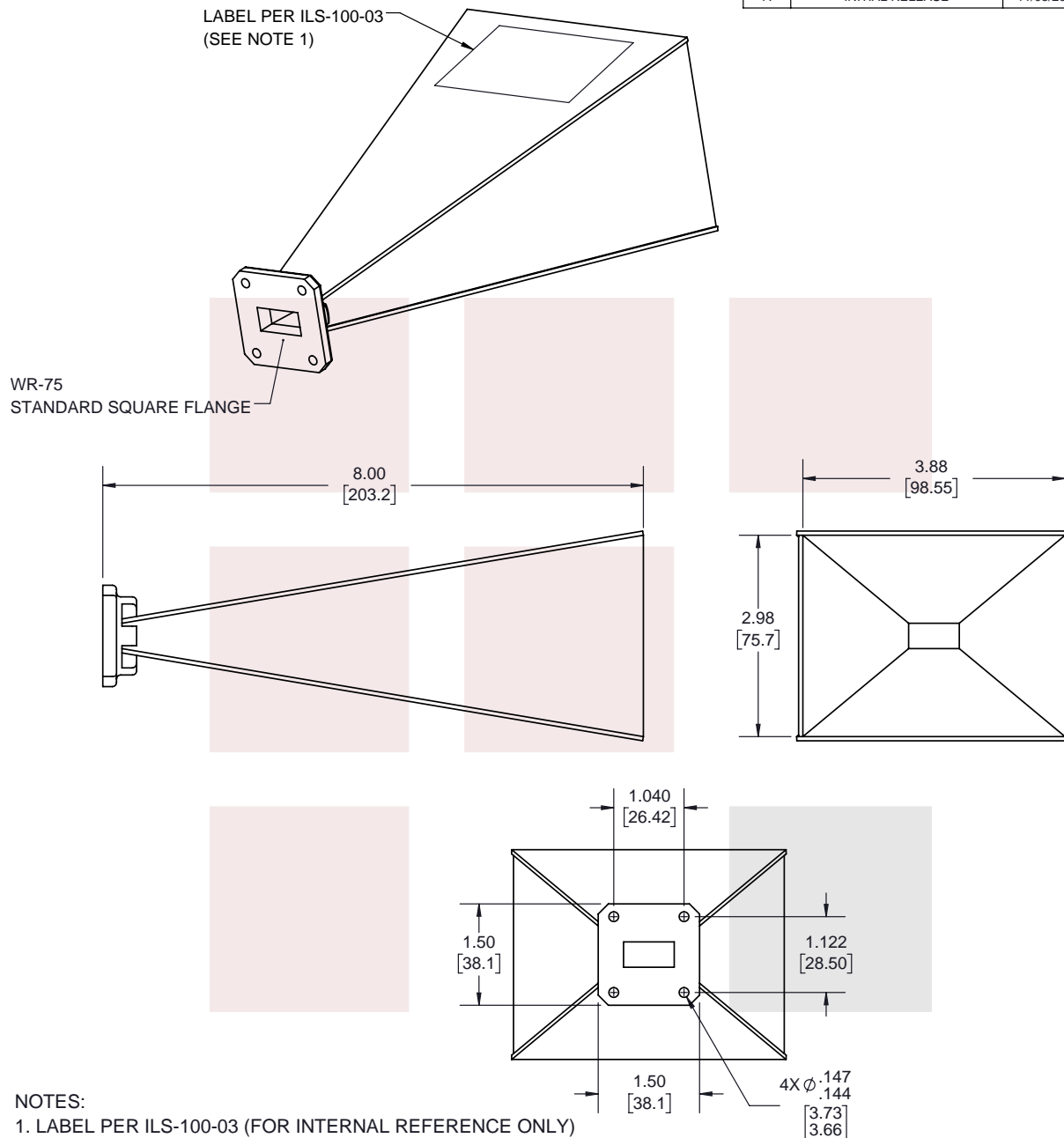
For additional information on this product, please click the following link: [WR-75 Standard Waveguide Horn With Square Cover Flange and 20 dBi Nominal Gain Operating From 10 GHz to 15 GHz Frequency Range FM9855B-20](#)

URL: <https://www.fairviewmicrowave.com/wr-75-waveguide-standard-gain-horn-20-db-fm9855b-20-p.aspx>

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



- NOTES:
- LABEL PER ILS-100-03 (FOR INTERNAL REFERENCE ONLY)
LABEL LOCATION FOR REFERENCE ONLY

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TITLE

WR-75 Standard Waveguide Horn With Square Cover Flange and 20 dBi Nominal Gain Operating From 10 GHz to 15 GHz Frequency Range

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

TOLERANCES:

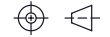
.X = ±.2 [5.08] FRACTIONS ± 1/32
.XX = ±.02 [.51]
.XXX = ±.005 [.13]

ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE A	CAGE CODE 3FKR5	DRAWN BY BPUCHASKI	ITEM NO. FM9855B-20	REV A
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