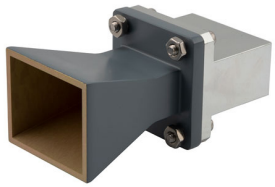
WR-112 Standard Gain Horn with 10 dBi gain, End Launch SMA Female connector



FMWAN112-10ELSF

Features

- 7.05 GHz to 10 GHz
- WR-112 Waveguide Band
- 10 dBi Nominal Gain
- SMA Female End Launch Connector

Applications

- Antenna Measurements
- Wireless Communication
- Laboratory Use
- Microwave Radio Systems
- Radome Testing
- Automotive Antenna Test Solutions
- Radar Cross Section
- Satellite Antenna Testing

Description

The FMWAN112-10ELSF standard gain horn antenna (also known as waveguide horn) from Fairview Microwave is part of our comprehensive selection of waveguide antennas. This standard gain horn is mated with a WR-112 to SMA Female End Launch waveguide to coaxial adapter and operates from 7.05 GHz to 10 GHz.

Our FMWAN112-10ELSF standard gain horn antenna has a nominal gain of 10 dBi with a Horizontal and Vertical HPBW (Half Power Beam Width) of 52.1 dB and 51.6 dB respectively. Fairview Microwave's SMA Female End Launch to WR-112 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and connectorized input.

Waveguide antennas, such as the FMWAN112-10ELSF are used in a wide variety of applications due to the high-power handling capability, low loss, high directivity, and near constant electrical performance. Our WR-112 waveguide antennas with SMA Female End Launch interface is part of over 40,000 RF, microwave and millimeter wave components from Fairview Microwave available worldwide and Ship same day.

Configuration

Design	WR-112
Coaxial Interface	SMA Female

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	7.05		10	GHz
Gain		10		dBi
Horizontal Half Power Beam Width		52.1		Degrees
Vertical Half Power Beam Width		51.6		Degrees
Waveguide to Coaxial Adapter				
VSWR			1.4:1	

Mechanical Specifications

Size

Length	4.304 in [109.32 mm]
Width	1.705 in [43.31 mm]
Height	1.369 in [34.77 mm]
Weight	0.5095 lbs [231.11 g]

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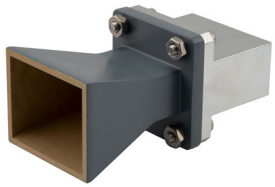


FMWAN112-10ELSF

RF Connector

Type	SMA Female
Specification	End Launch

Waveguide Interface

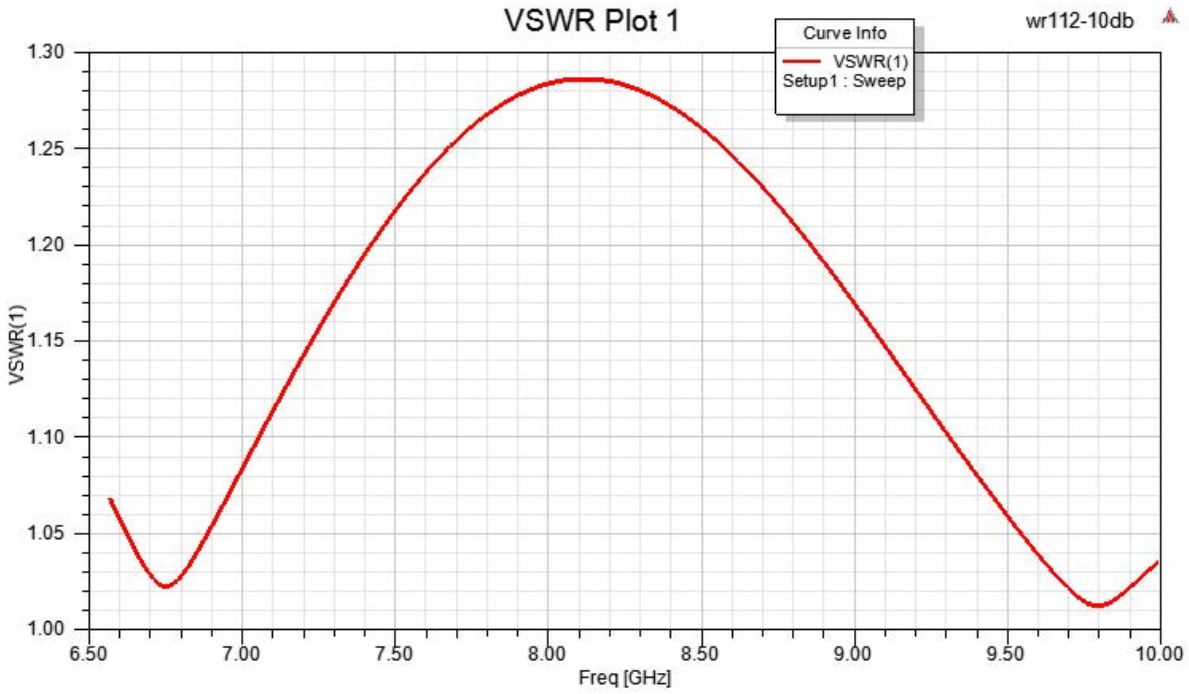
Waveguide Size	WR-112

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data



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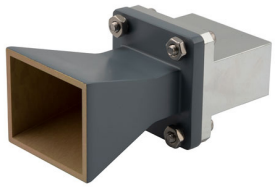

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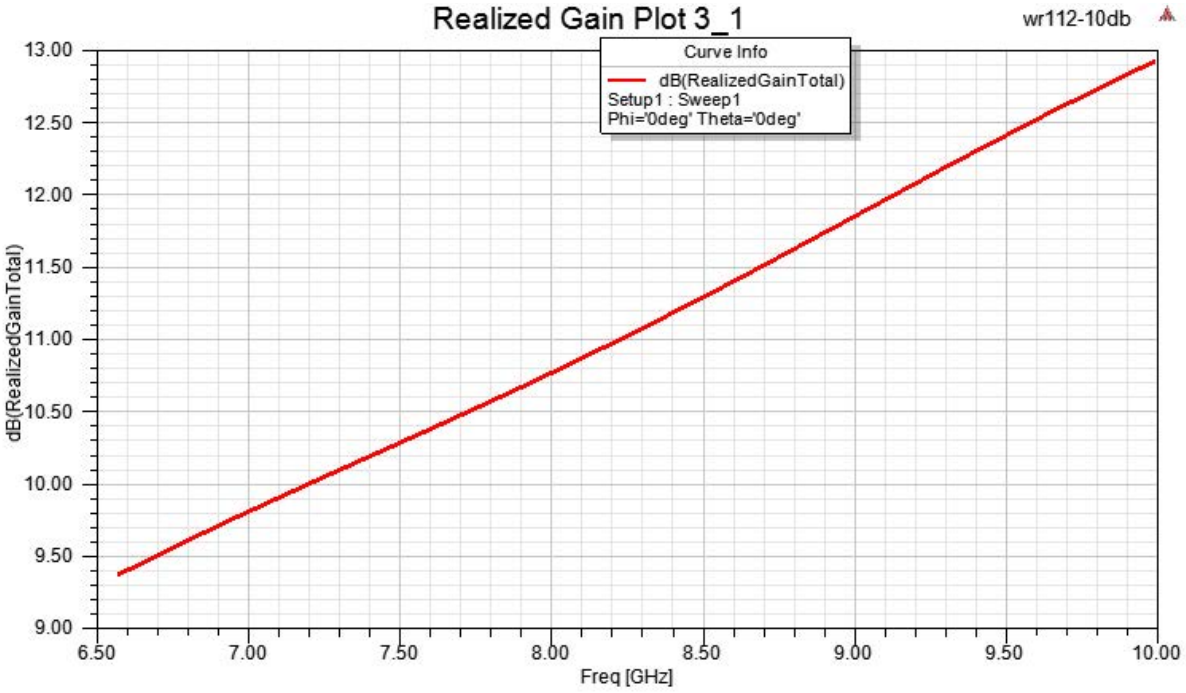

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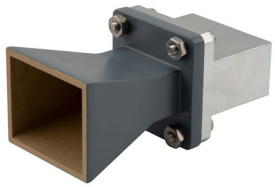

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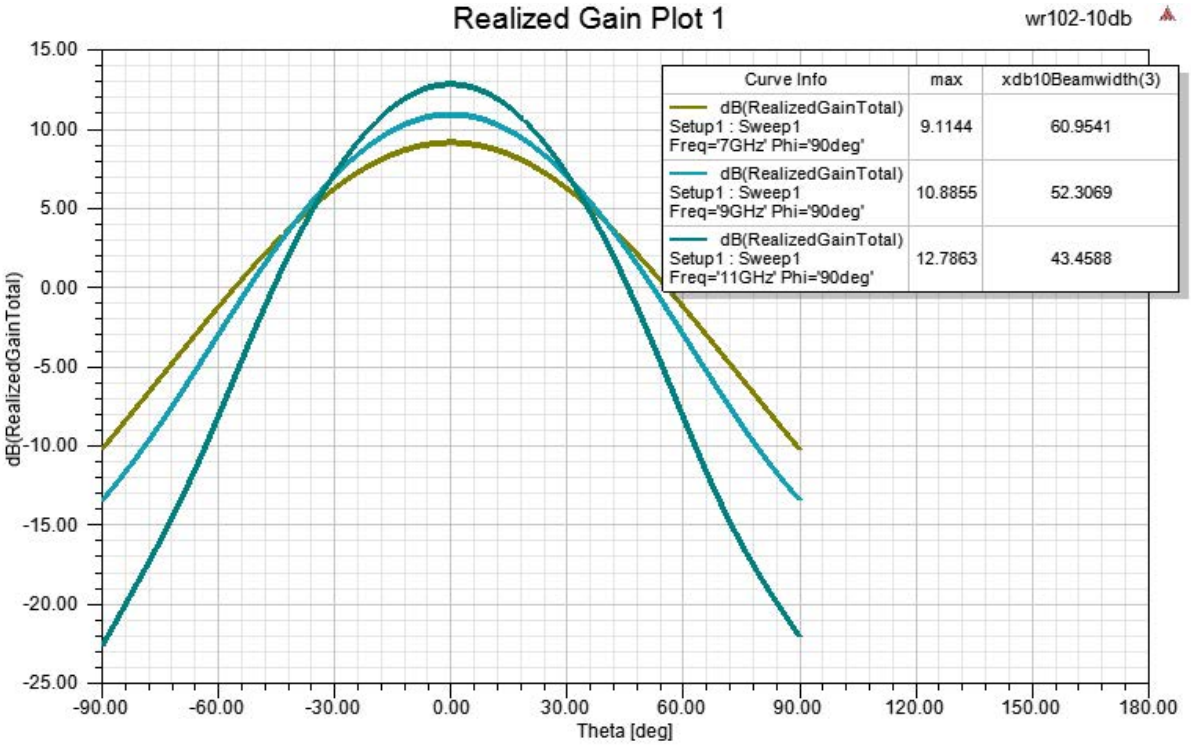

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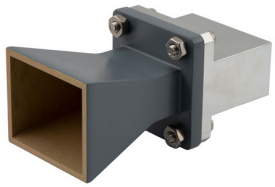

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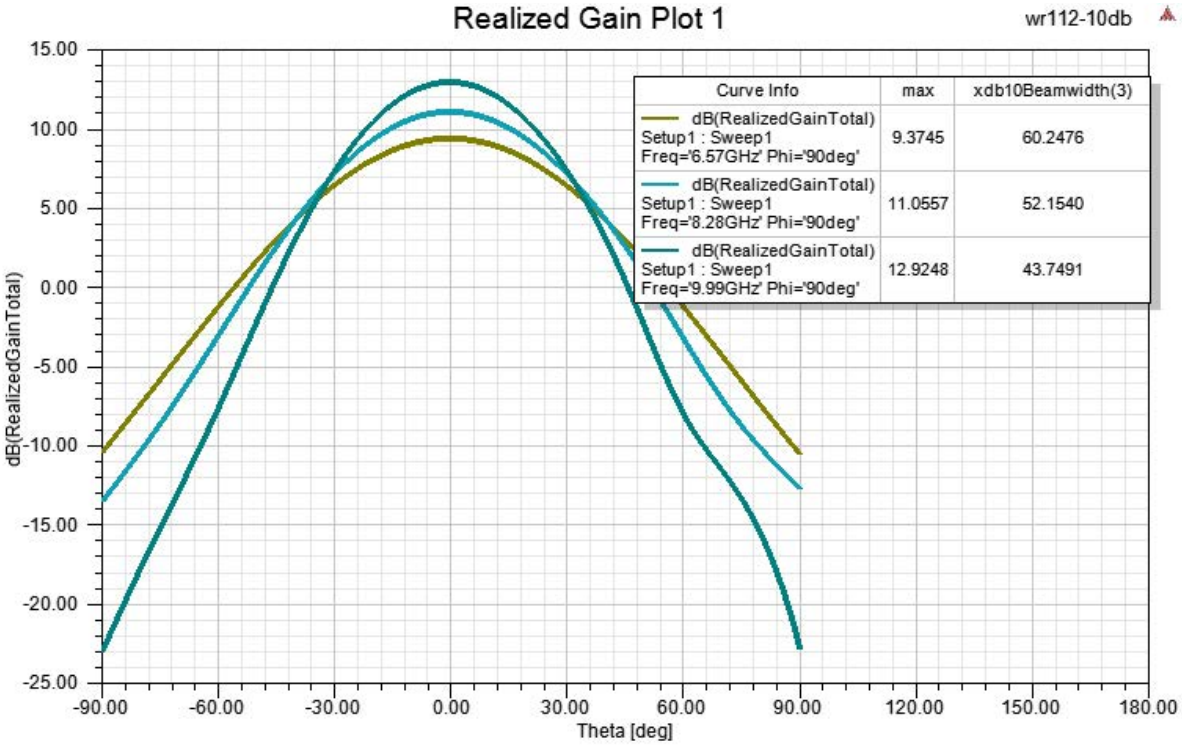

WR-112 Standard Gain Horn with 10 dBi gain, End Launch SMA Female connector from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: WR-112 Standard Gain Horn with 10 dBi gain, End Launch SMA Female connector FMWAN112-10ELSF

URL: https://www.fairviewmicrowave.com/wr-112-standard-gain-horn-10-dbi-sma-fmwan112-10elsf-p.aspx

FMWAN112-10ELSF CAD Drawing

WR-112 Standard Gain Horn with 10 dBi gain, End Launch SMA Female connector