

Standard Gain Horn Antenna
25dBi Typ. Gain, 110-170 GHz Frequency Range

Standard Gain Horn Antenna Data Sheet

RM-SGHA6-25

Features

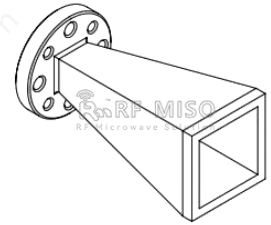
- Full Band Performance
- Linear Polarization
- High Isolation
- Precisely Machined and Gold Plated

Description

The **RM-SGHA6-25** is a full-band, linear-polarized horn antenna assembly that operates in the frequency range of 110 to 170 GHz. The antenna offers a typical gain of 25 dBi and low VSWR 1.1:1. The input to the antenna is a WR-6 waveguide.

Specifications

RM-SGHA6-25		
Item	Specification	Units
Frequency Range	110-170	GHz
Gain	25 Typ.	dBi
VSWR	1.1 Typ.	
Polarization	Linear	
Cross Polarization	40	dB
3dB Beamwidth, E-Plane	8.78~12.96	°
3dB Beamwidth, H-Plane	8.01~11.50	°
Size(L*W*H)	40.32*19.1*19.1(±5)	mm
Weight	0.032	Kg
Material and Finish	Cu, Gold Painted	
Waveguide Size	WR-6	

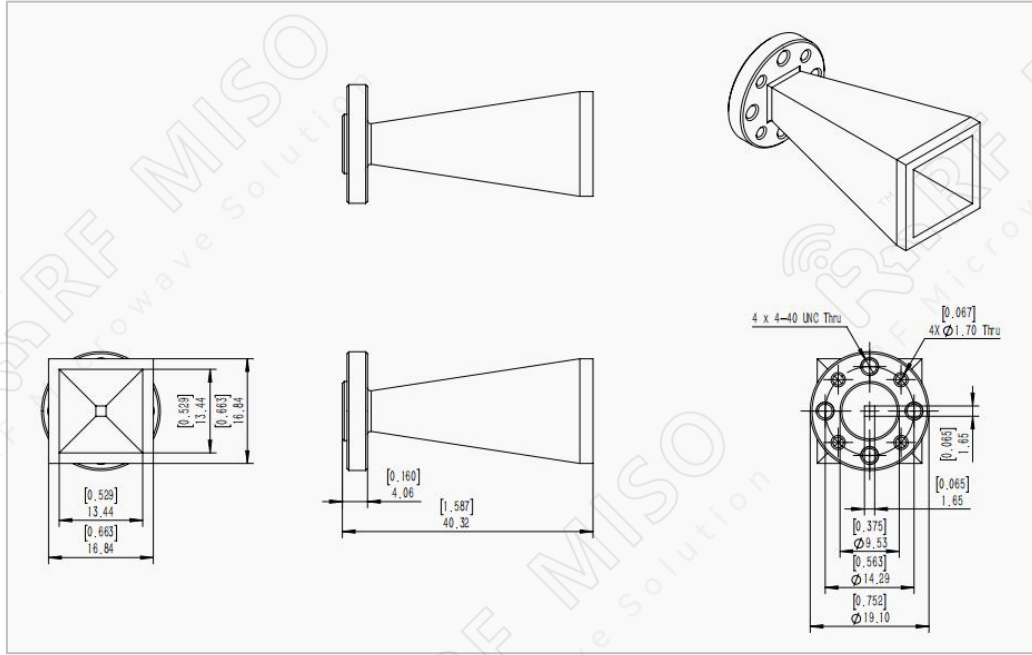


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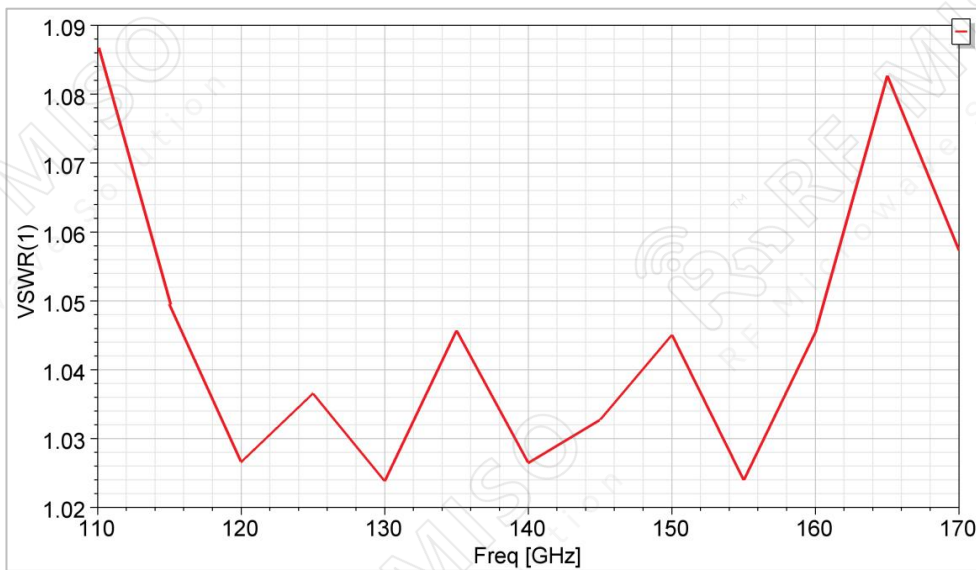
RM-SGHA6-25

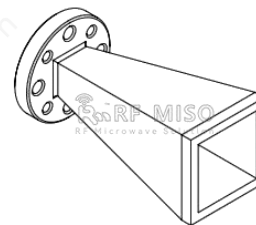
Outline Drawing



Simulated Result

VSWR



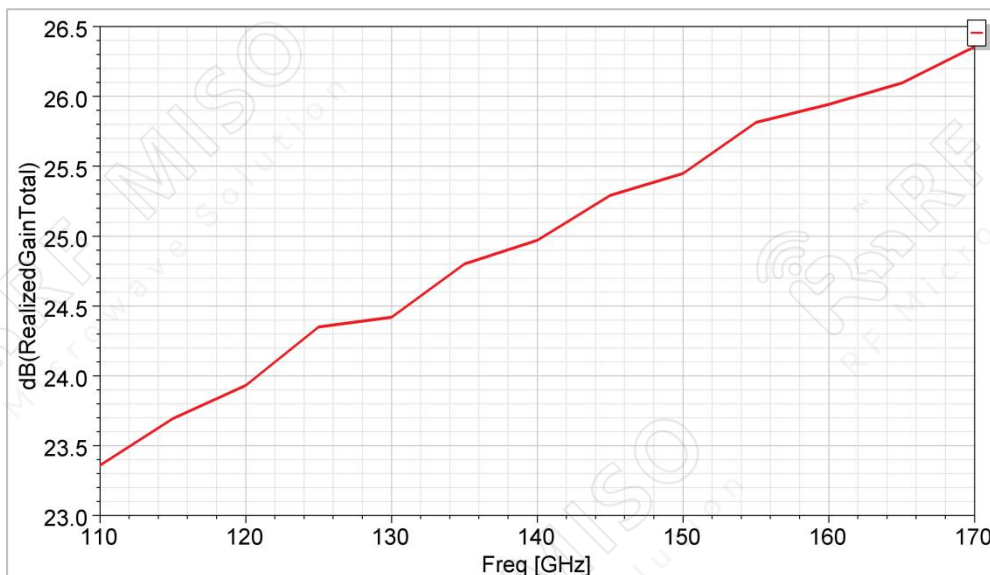


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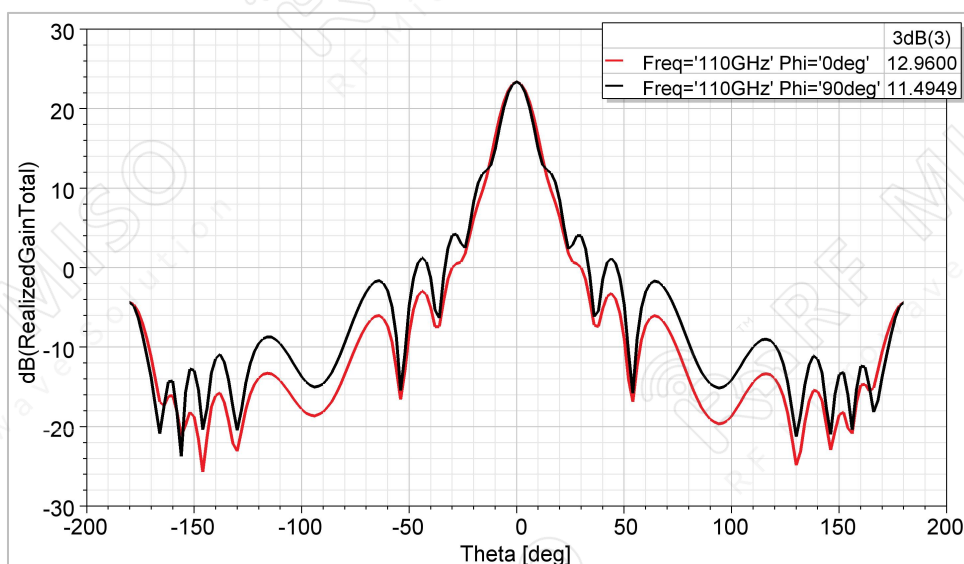
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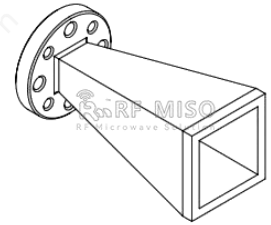
Gain



Gain Pattern



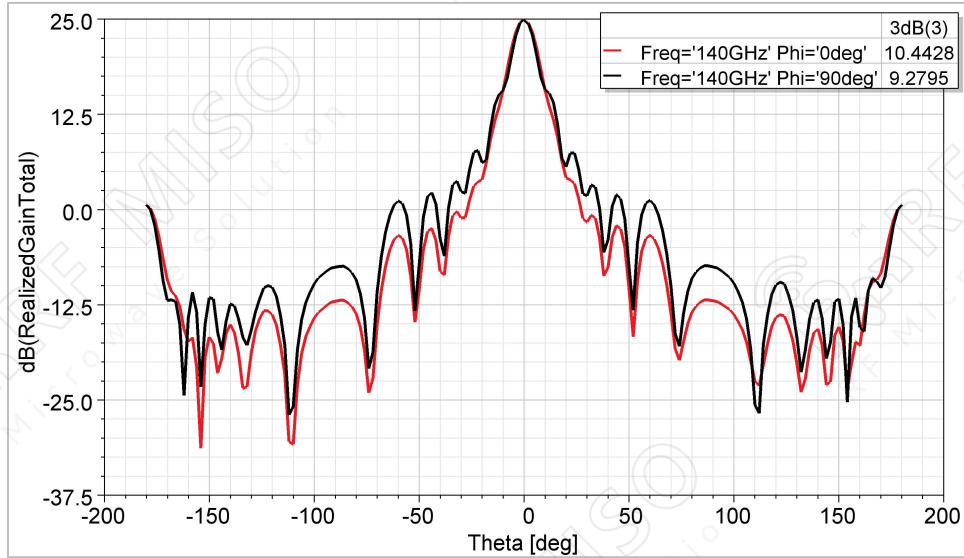
110 GHz



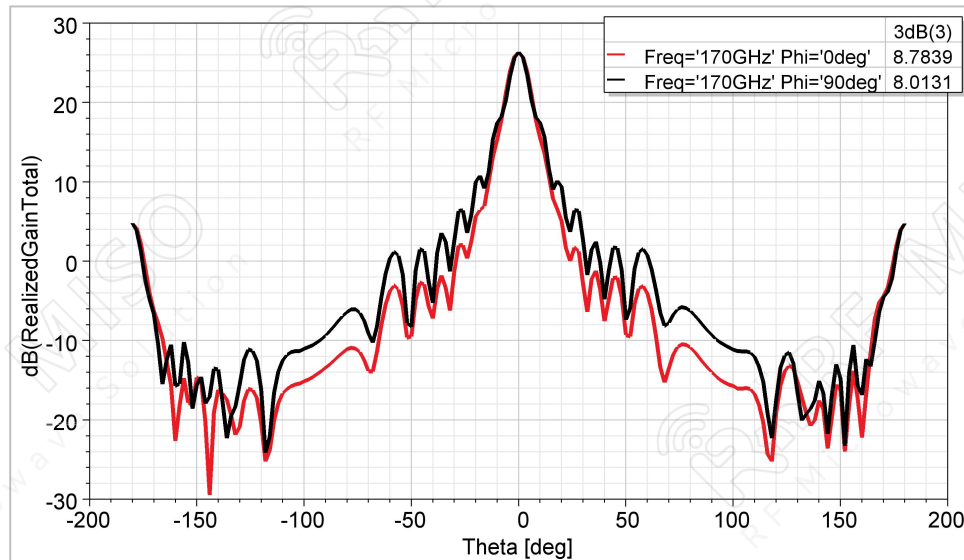
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140 GHz



170 GHz