

*Dual Polarized Horn Antenna
25dBi Typ.Gain, 110-175 GHz Frequency Range*

Dual Polarized Horn Antenna Data Sheet

RM-DPHA6-25

Features

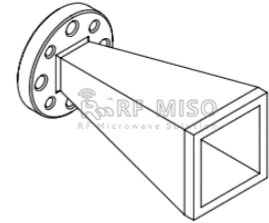
- Full Band Performance
- Dual Polarization
- High Isolation
- Precisely Machined and Gold Plated

Description

The **RM-DPHA6-25** is a full-band, dual-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. The antenna features an integrated orthogonal mode converter that provides high port isolation.

Specifications

RM-DPHA6-25		
Item	Specification	Units
Frequency Range	110-170	GHz
Gain	25 Typ.	dBi
VSWR	1.1:1 Typ.	
Polarization	Dual	
Cross Polarization	50	dB
Size(L*W*H)	40.32*19.1*19.1(±5)	mm
Weight	0.032	Kg
Material and Finish	Cu, Gold	
Waveguide Size	WR-6	

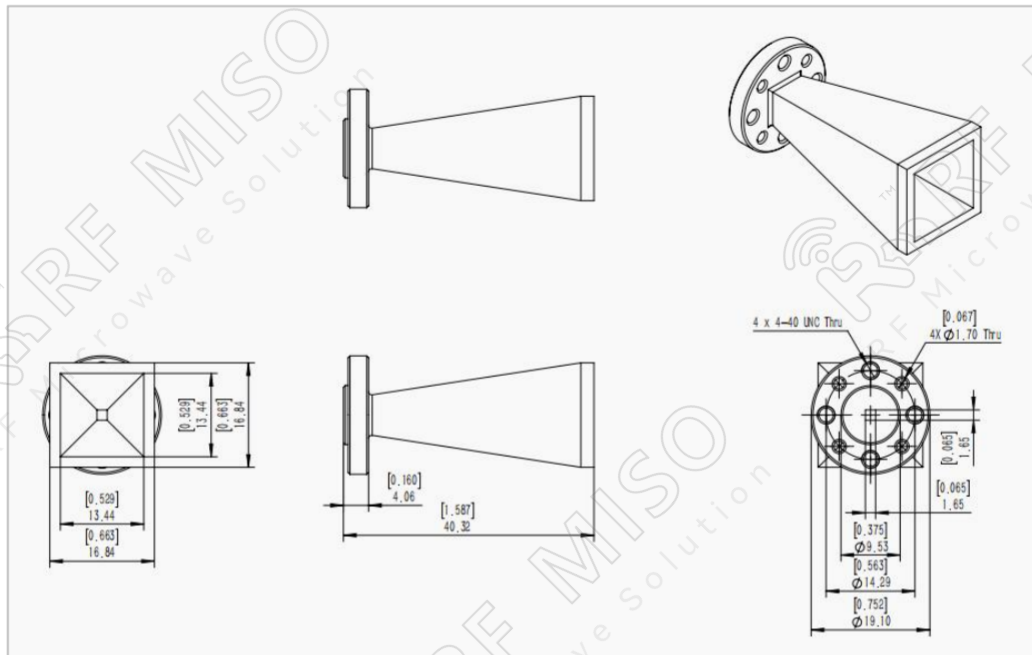


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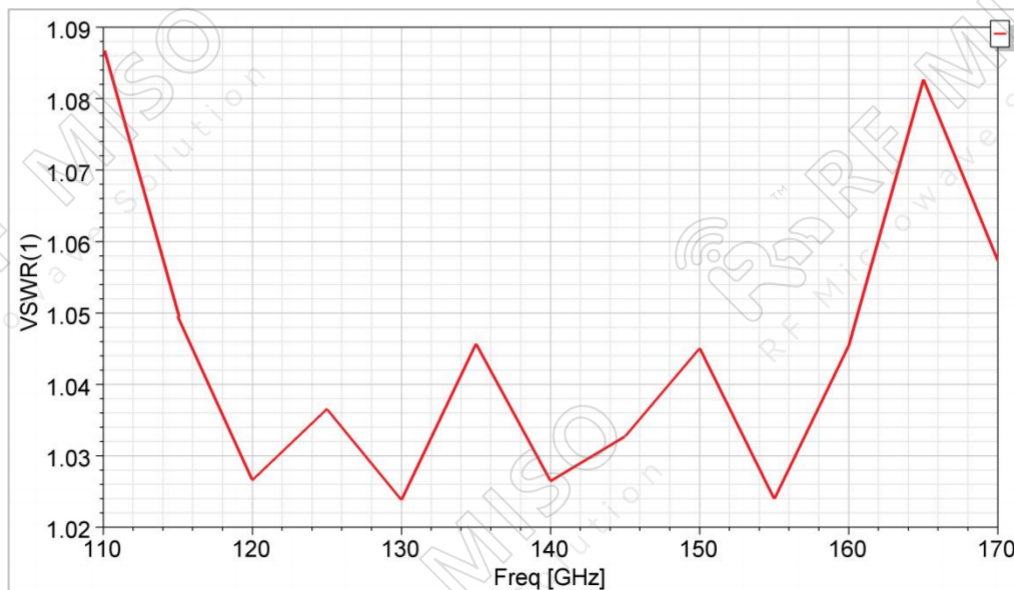
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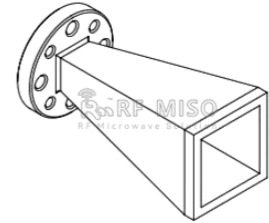
Outline Drawing



Simulated Result

VSWR



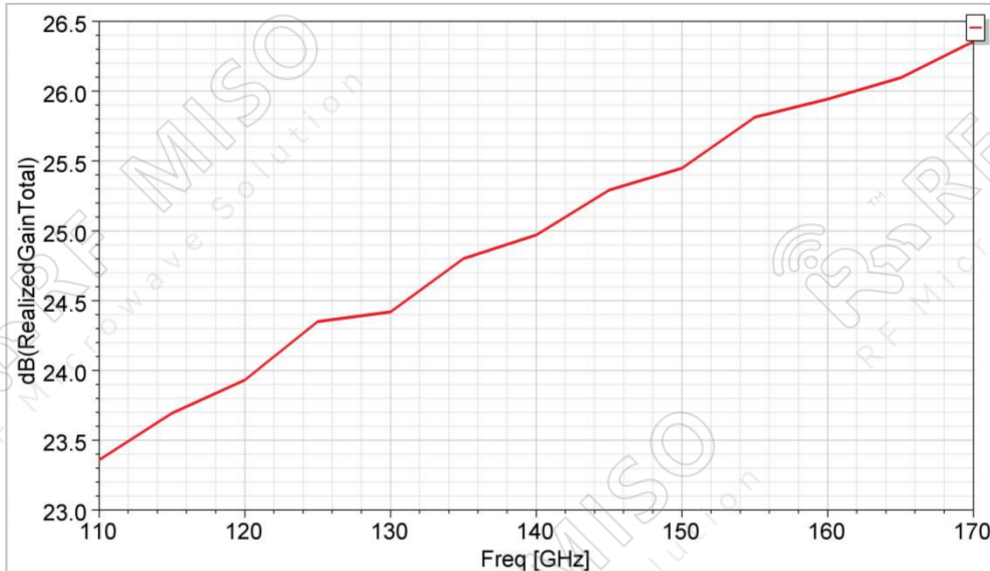


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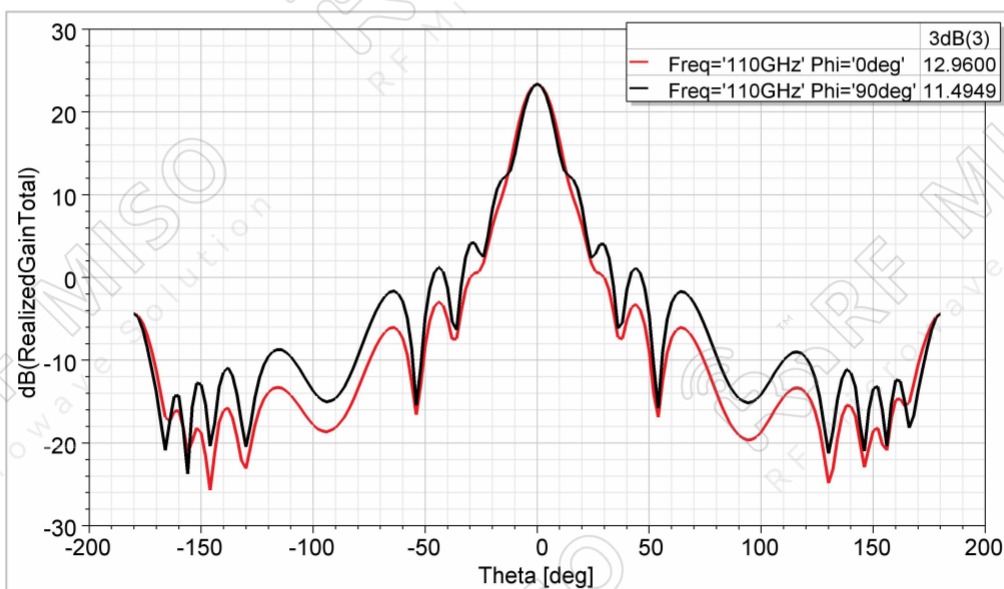
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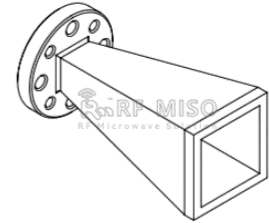
Gain



Gain Pattern



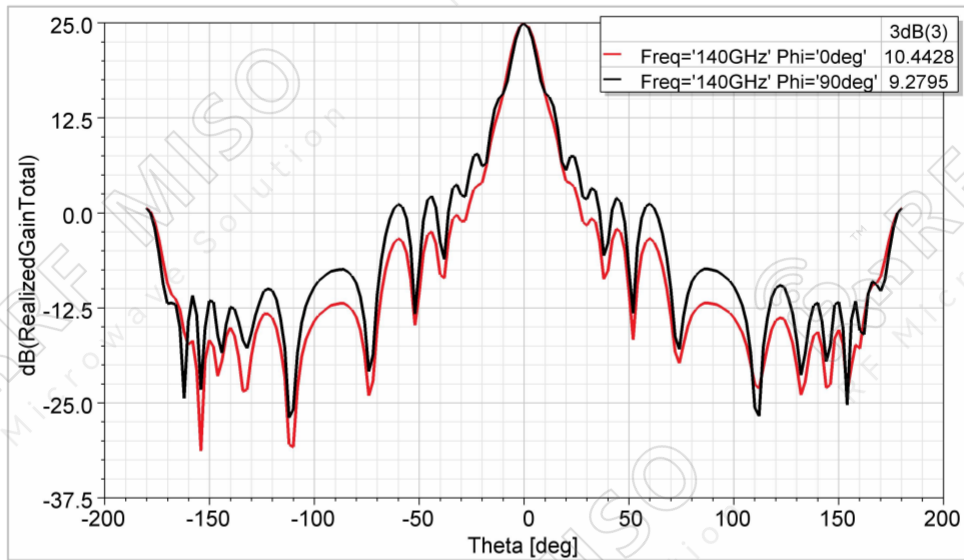
110 GHz



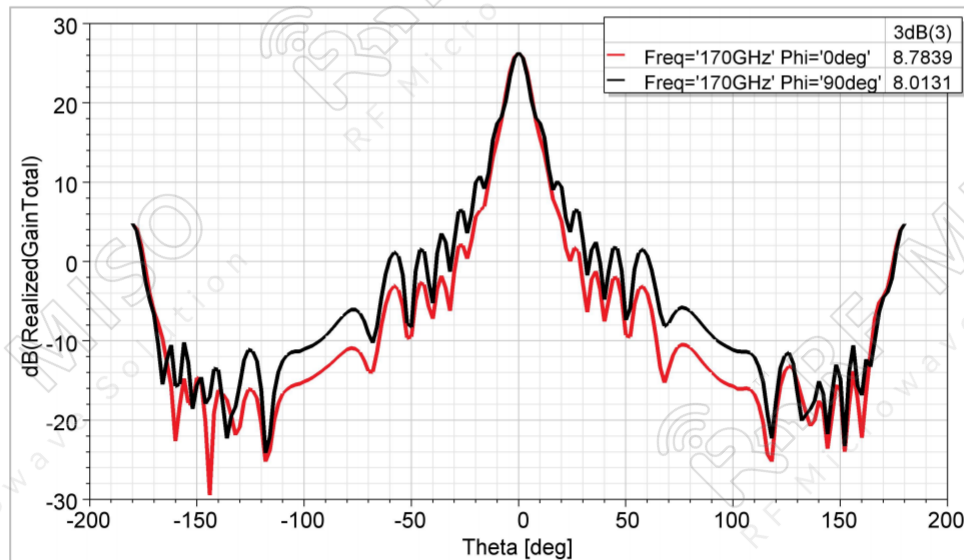
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140 GHz



170 GHz