



*Standard Gain Horn Antenna
25dBi Typ. Gain, 40-60 GHz Frequency Range*

Standard Gain Horn Antenna Data Sheet

RM-SGHA19-25

Features

- Wave-guide and Connector Interface
- Low Side-lobe
- Linear Polarization
- High Return Loss

Descriptions

RF MISO's **Model RM-SGHA19-25** is a linear polarized standard gain horn antenna that operates from 40 to 60 GHz. The antenna offers a typical gain of 25 dBi and low VSWR 1.2:1. This antenna has flange input and coaxial input for customers to rotate.

Specifications

Parameters	Specification	Unit
Frequency Range	40-60	GHz
Wave-guide	WR19	
Gain	25 Typ.	dBi
VSWR	1.2 Typ.	
Polarization	Linear	
Interface	2.4-Female	
Material	Al	
Finishing	Paint	
Size (L*W*H)	171.3*58.6*49.2 (±5)	mm
Weight	0.111	kg

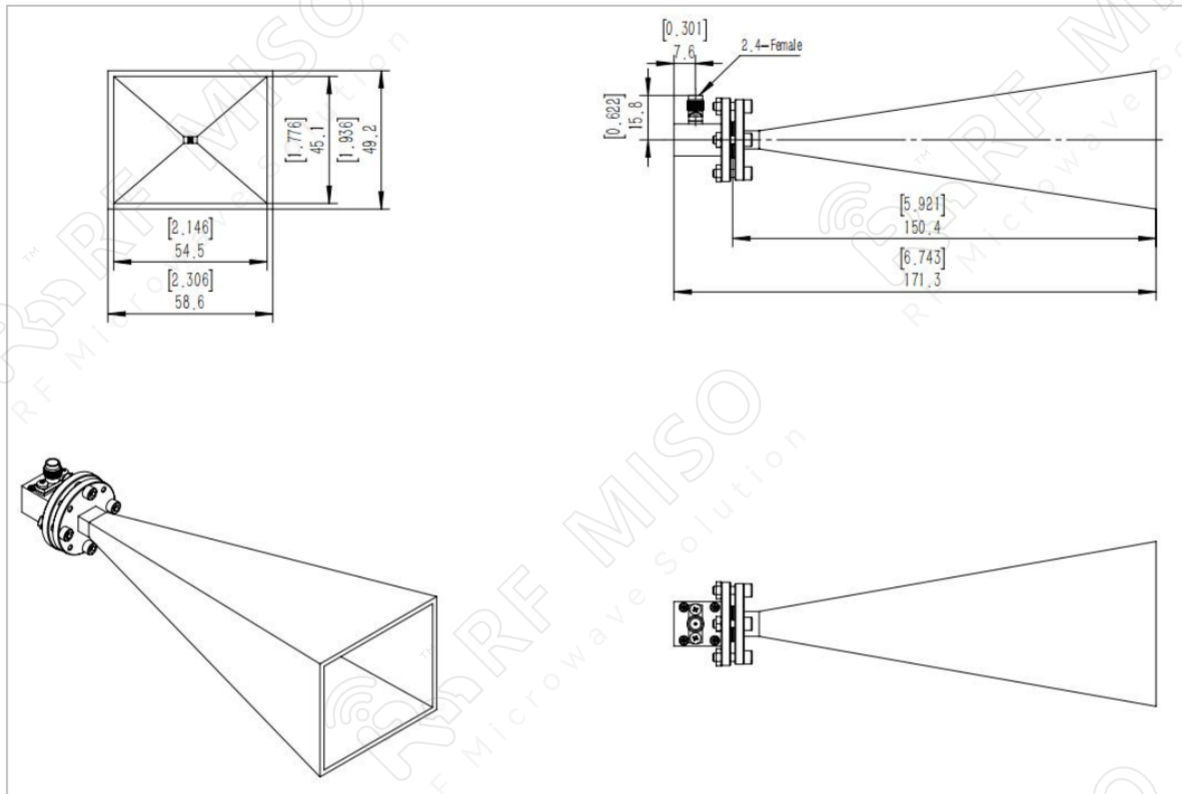


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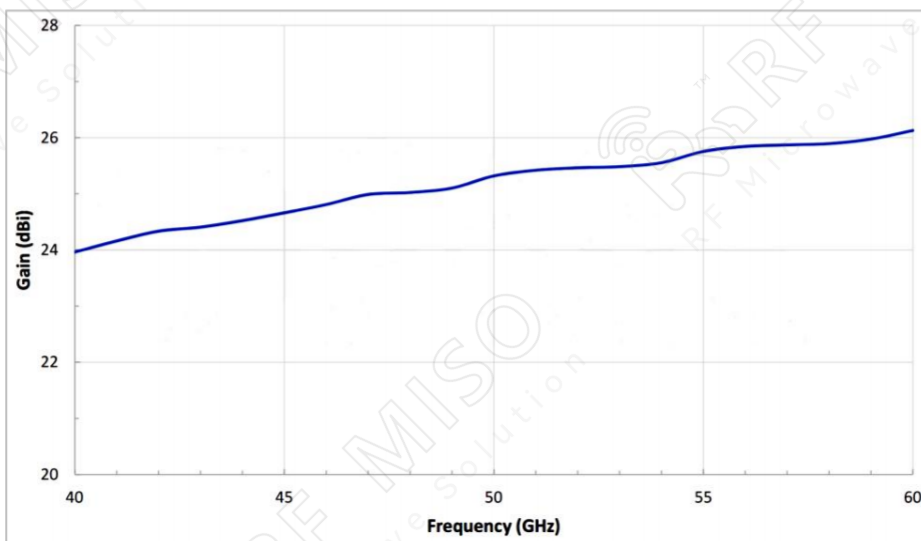
RM-SGHA19-25

Outline Drawing



Simulation Results

Gain



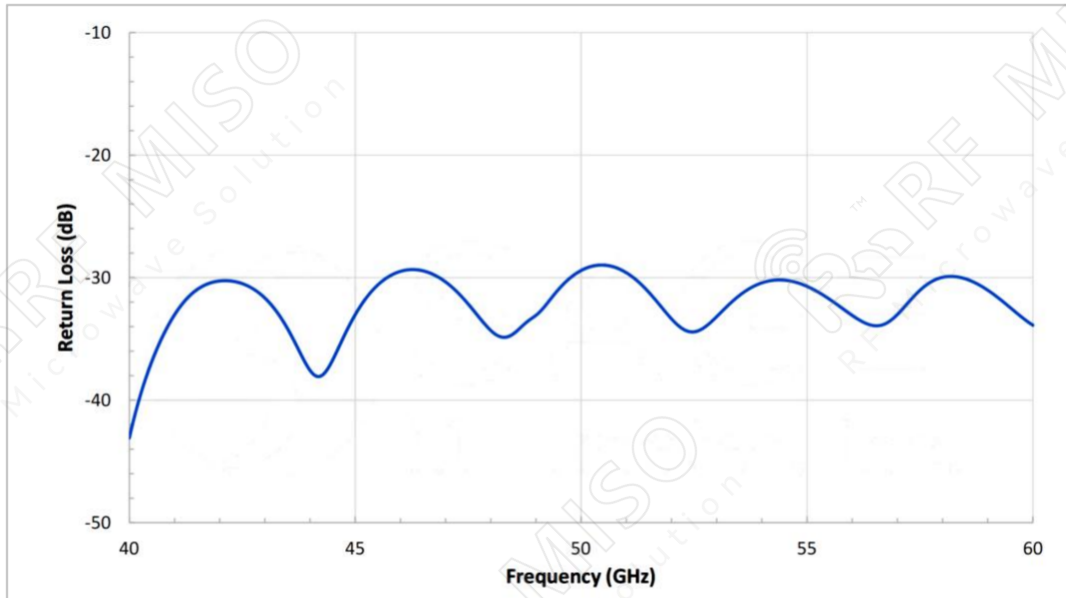


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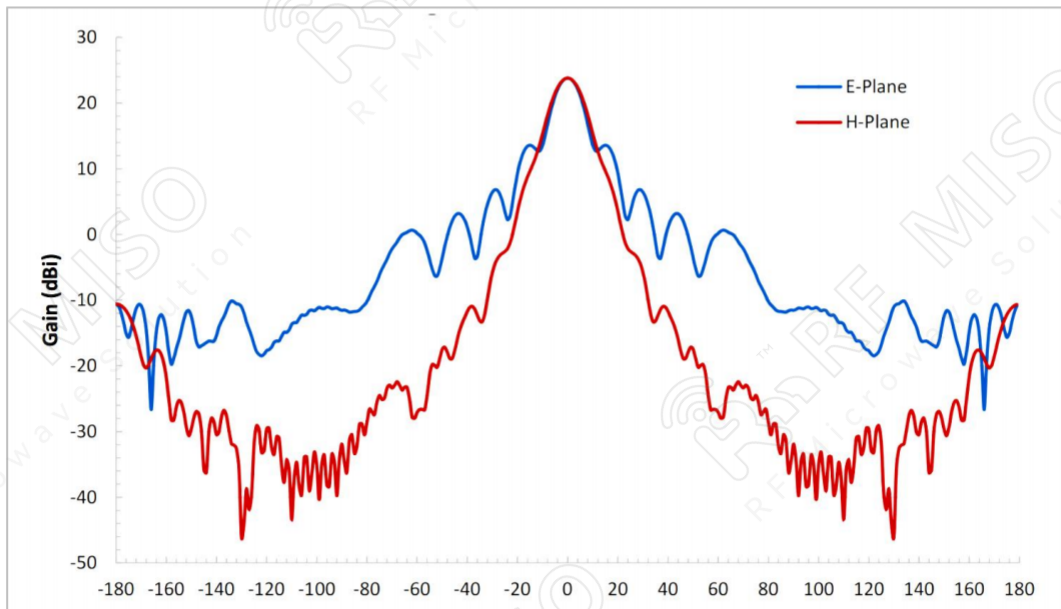
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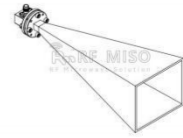
Return Loss



Gain Pattern



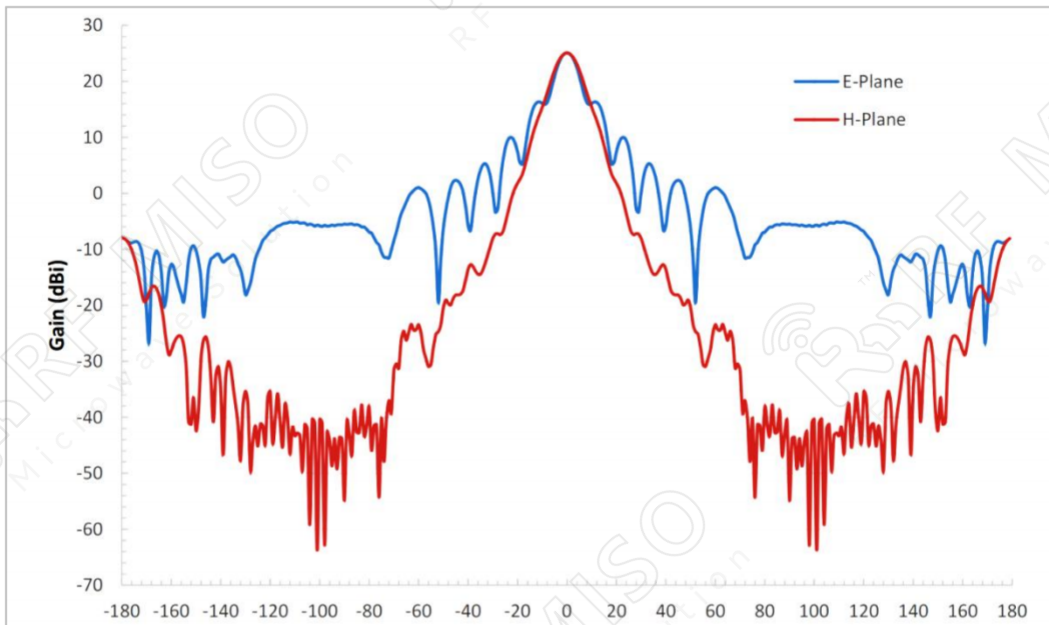
40GHz



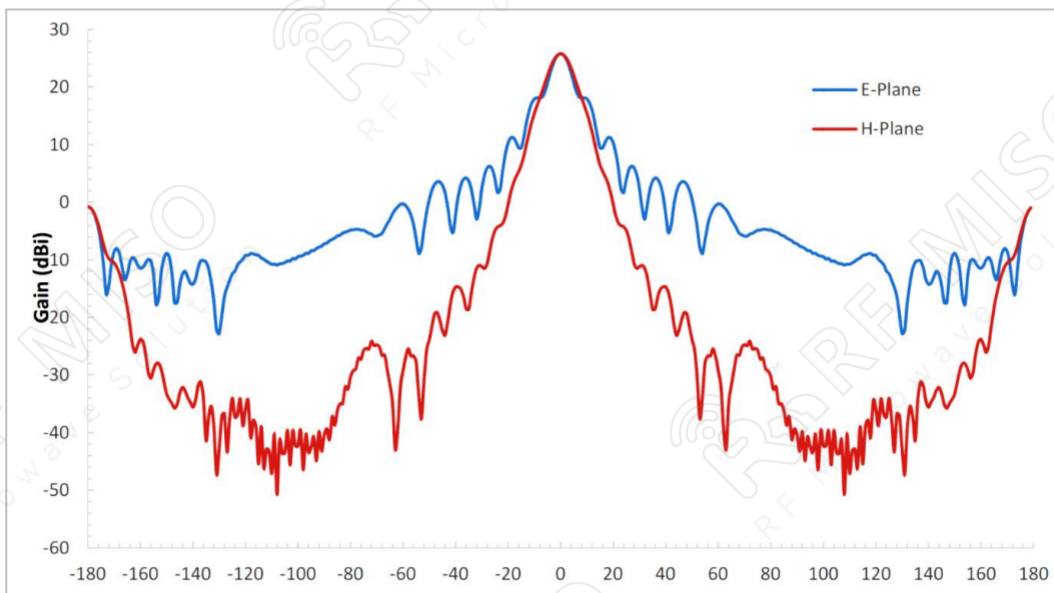
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50GHZ



60GHZ