

Standard Gain Horn Antenna  
 25dBi Typ. Gain, 75-110 GHz Frequency Range

## Standard Gain Horn Antenna Data

**RM-SGHA10-25**

### Features

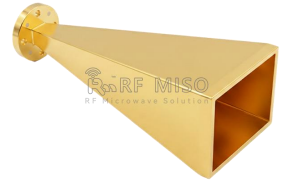
- Wave-guide and Connector Interface
- Low Side-lobe
- Linear Polarization
- High Return Loss

### Descriptions

RF MISO's **Model RM-SGHA10-25** is a linear polarized standard gain horn antenna that operates from 75 to 110 GHz. The antenna offers a typical gain of 25 dBi and low VSWR 1.1:1. This antenna has flange input and coaxial input for customers to rotate.

### Specifications

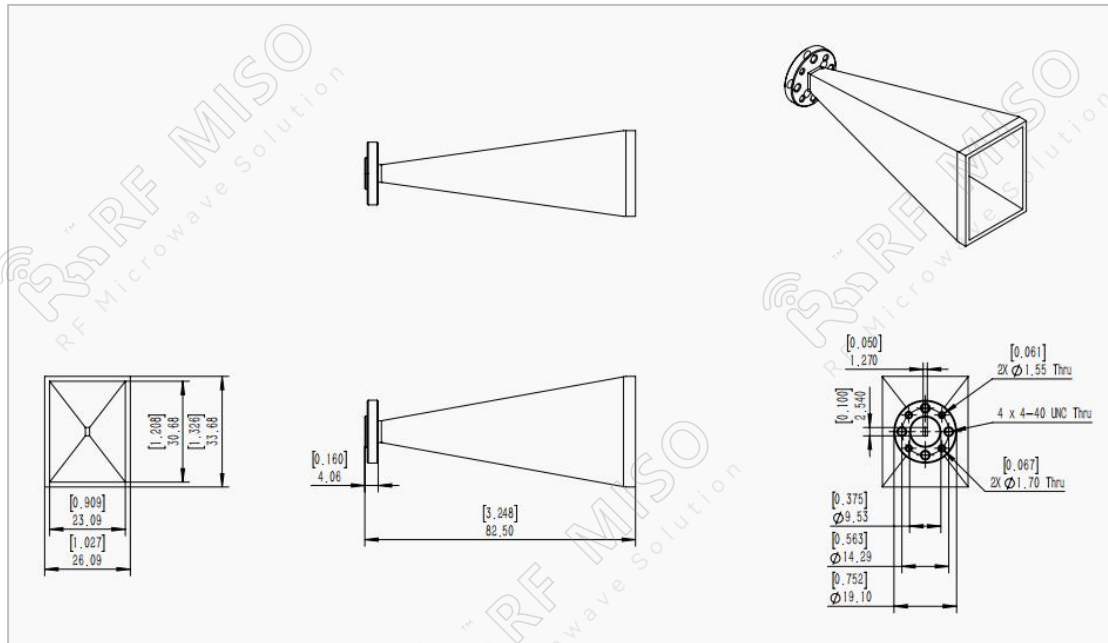
RM-SGHA10-25		
Parameters	Specification	Unit
Frequency Range	75-110	GHz
Wave-guide	WR10	
Gain	25 Typ.	dBi
VSWR	1.1 Typ.	
Polarization	Linear	
Cross Polarization Isolation	50	dB
Material	Cu	
Finishing	Gold Plate	
C Type Size(L*W*H)	82.5*26.09*33.68(±5)	mm
Weight	0.03	kg



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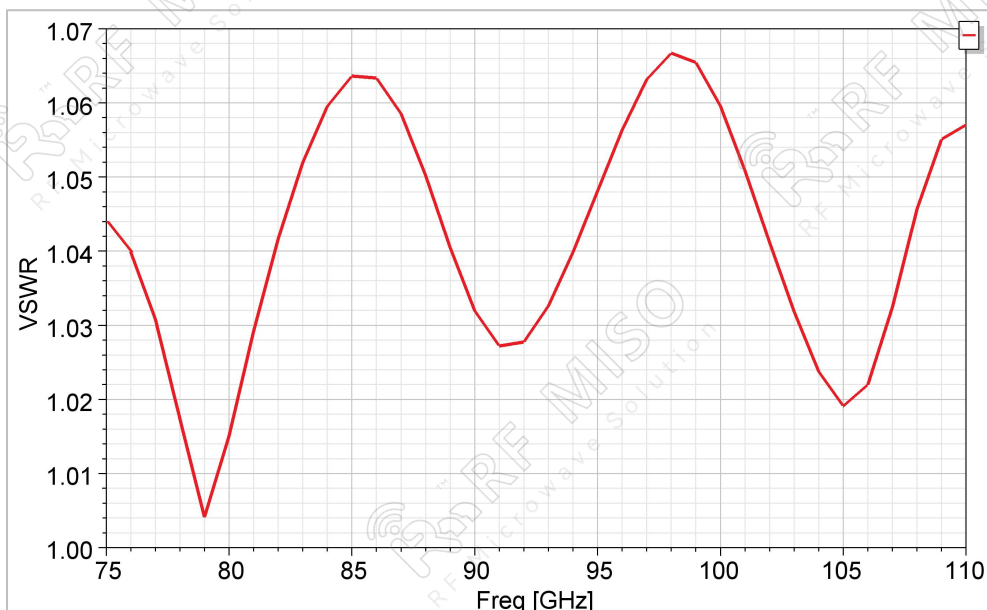
RM-SGHA10-25

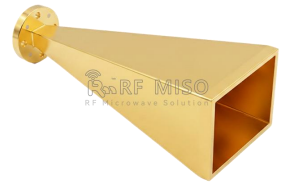
### Outline Drawing



### Simulation Result

#### VSWR



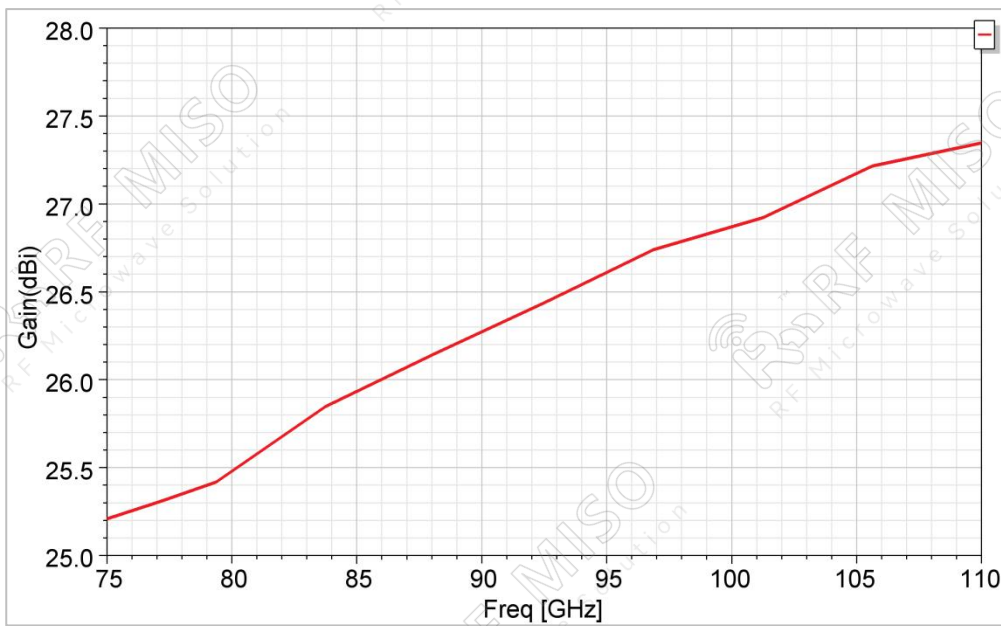


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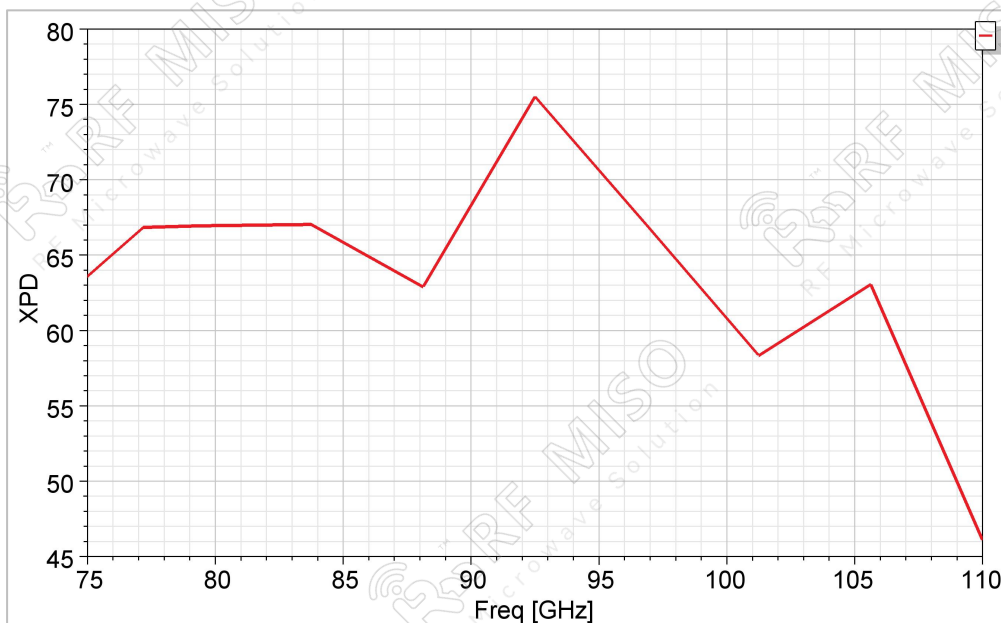
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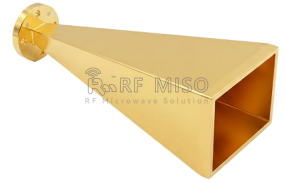
**RM-SGHA10-25**

Gain



Cross Polarization (dB)





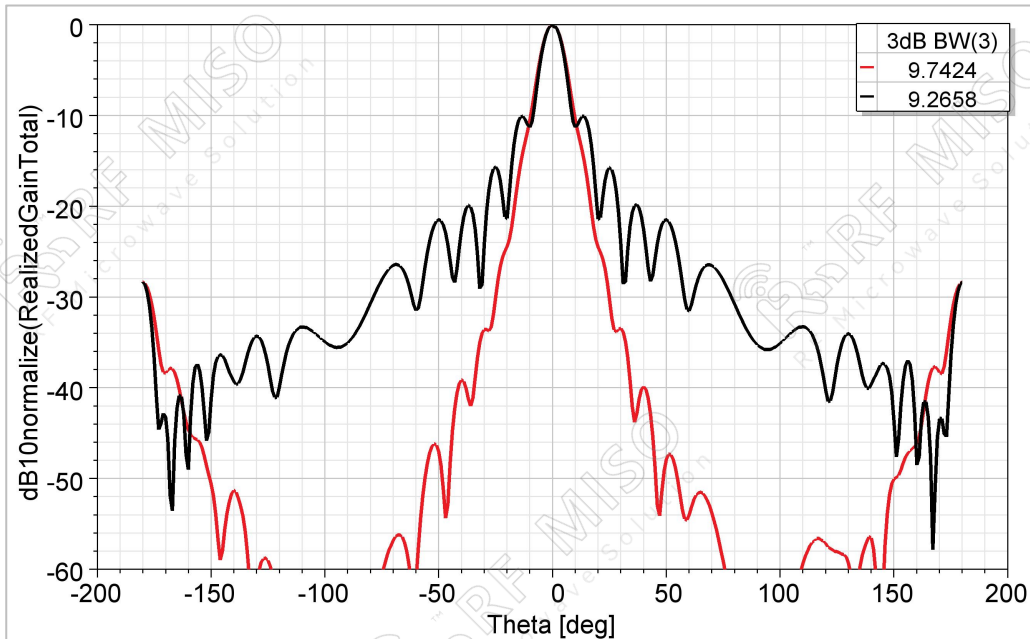
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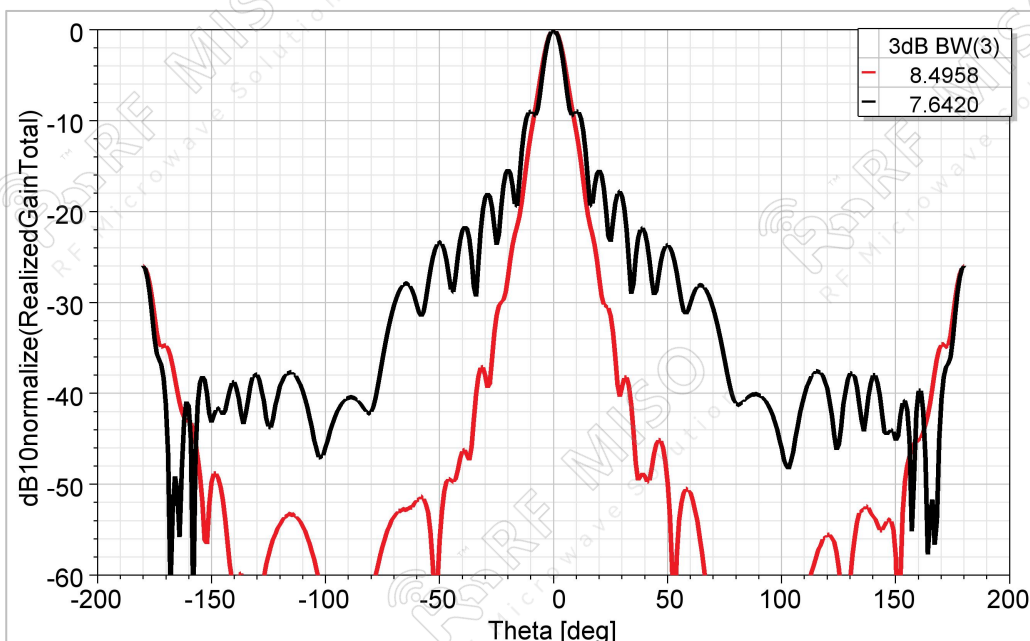
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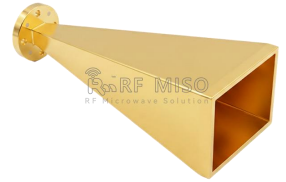
**Gain Pattern**

75GHz



92.5GHz





**Standard Gain Horn Antenna Data**

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110GHz

