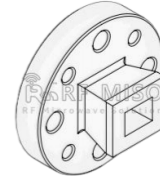


Standard Gain Horn Antenna
20 dBi Typ. Gain, 220-325GHz Frequency Range



Standard Gain Horn Antenna Data

RM-SGHA3-20

Features

- Ideal for Antenna Measurements
- Linear Polarization
- Broadband Operation
- Small Size

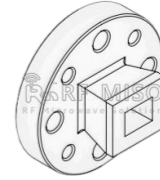
Description

RF MISO's **Model RM-SGHA3-20** is a linear polarized standard gain horn antenna that operates from 220 to 325 GHz. The antenna offers a typical gain of 20 dBi and low VSWR 1.15:1. This antenna has flange input and coaxial input for customers to rotate.

Specifications

RM-SGHA3-20		
Item	Specification	Units
Frequency Range	220-325	GHz
Wave-guide	3	
Gain	20 Typ.	dBi
VSWR	1.15:1	
Polarization	Linear	
Cross Polarization	50	dB
Material	Brass	
Size	9.74* 19.1*19.1(±5)	mm
Weight	0.009	kg

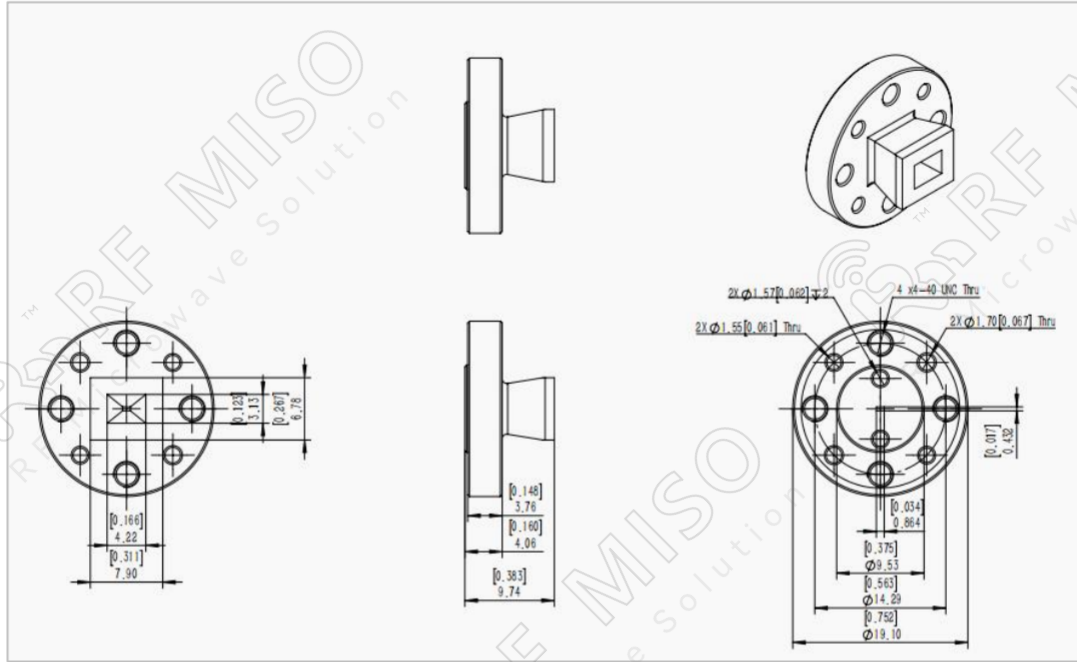
Standard Gain Horn Antenna
20 dBi Typ. Gain, 220-325GHz Frequency Range



Standard Gain Horn Antenna Data

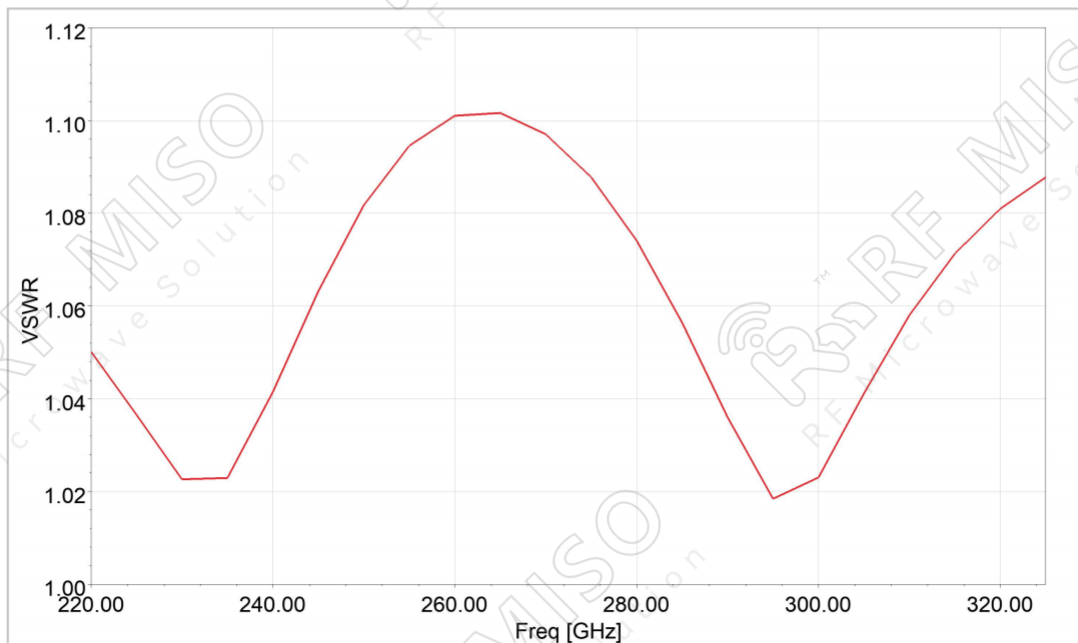
RM-SGHA3-20

Outline Drawing

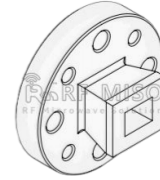


Simulated Data

VSWR



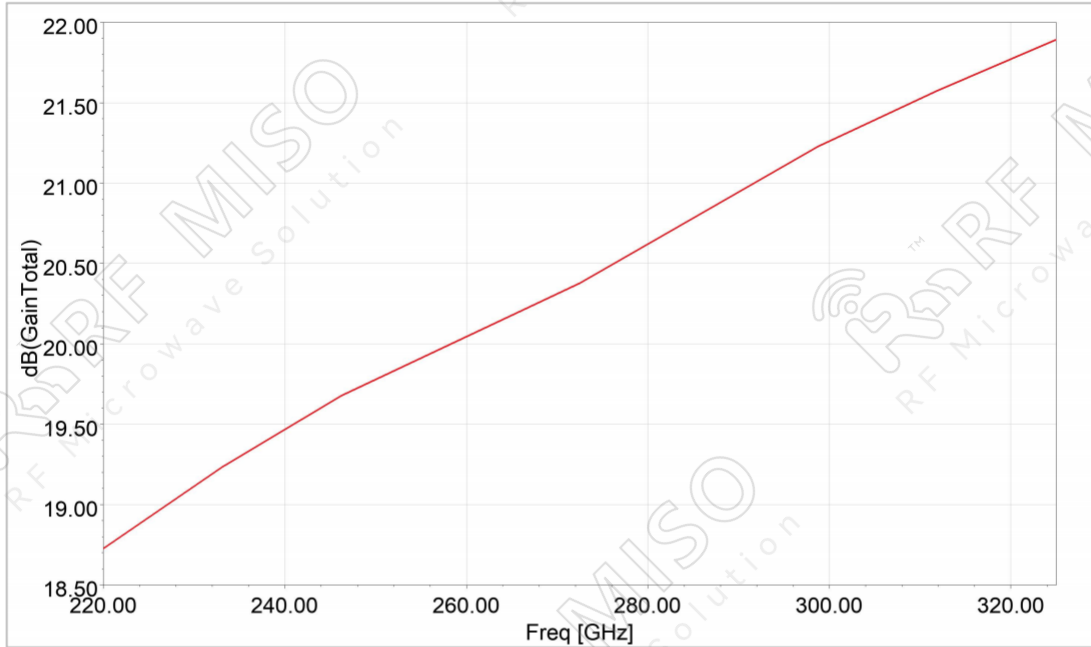
Standard Gain Horn Antenna
20 dBi Typ. Gain, 220-325GHz Frequency Range



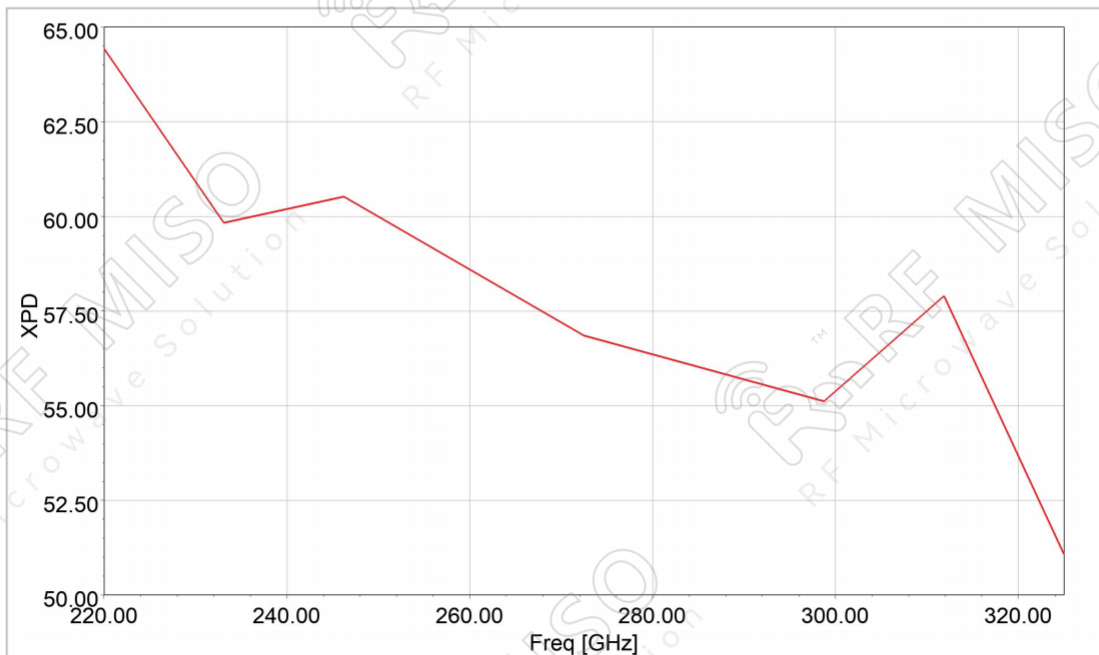
Standard Gain Horn Antenna Data

RM-SGHA3-20

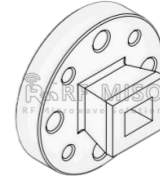
Gain



Cross Polarization



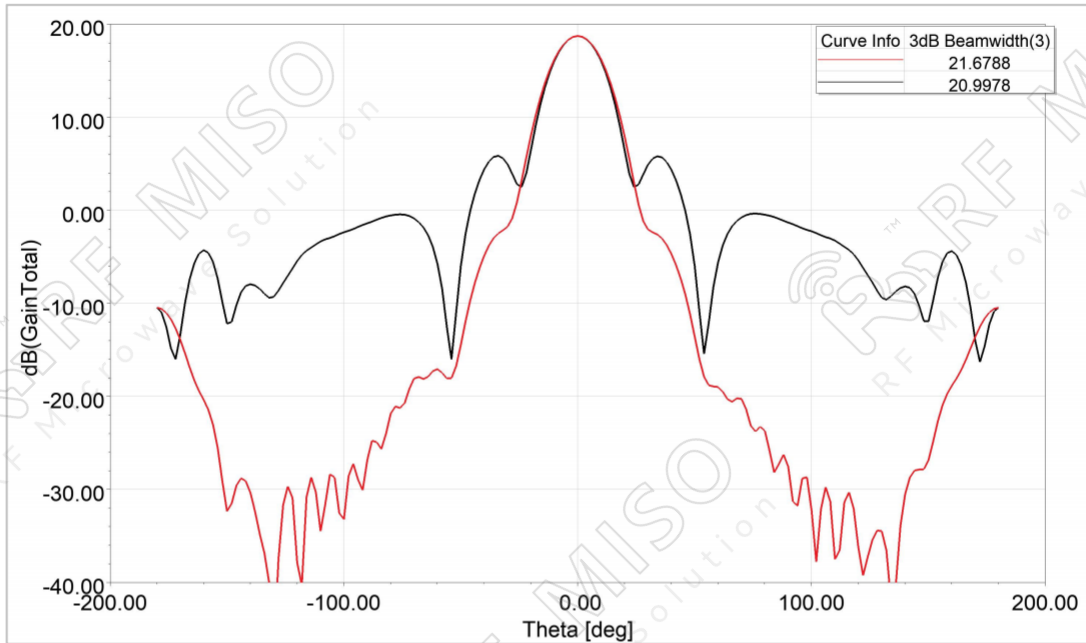
Standard Gain Horn Antenna
20 dBi Typ. Gain, 220-325GHz Frequency Range



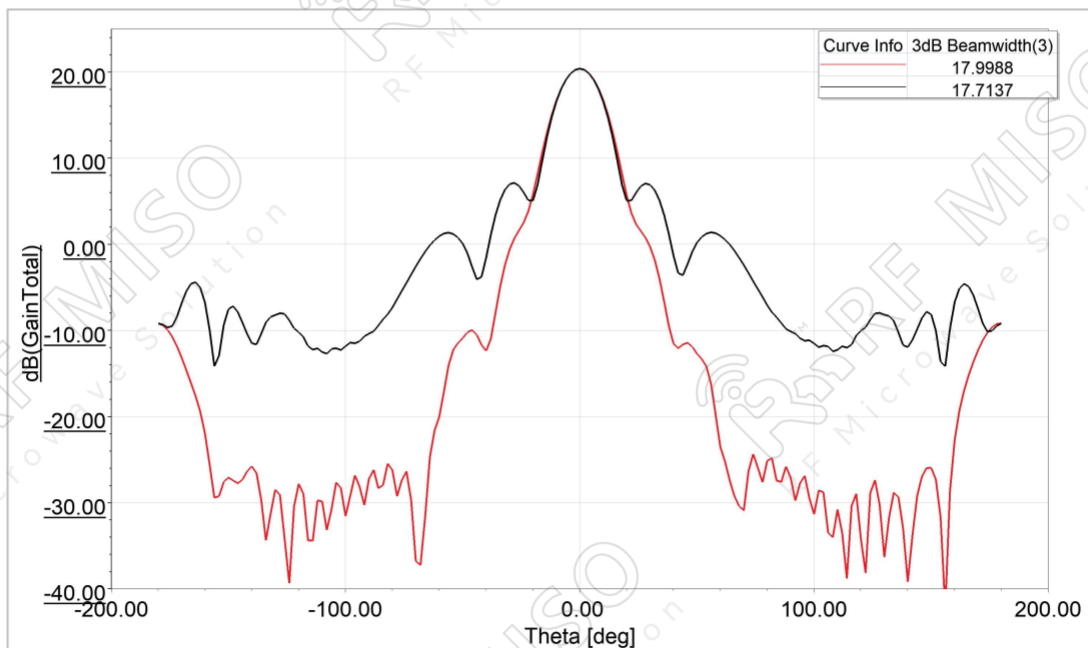
Standard Gain Horn Antenna Data

RM-SGHA3-20

Gain Pattern

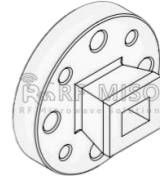


220GHz



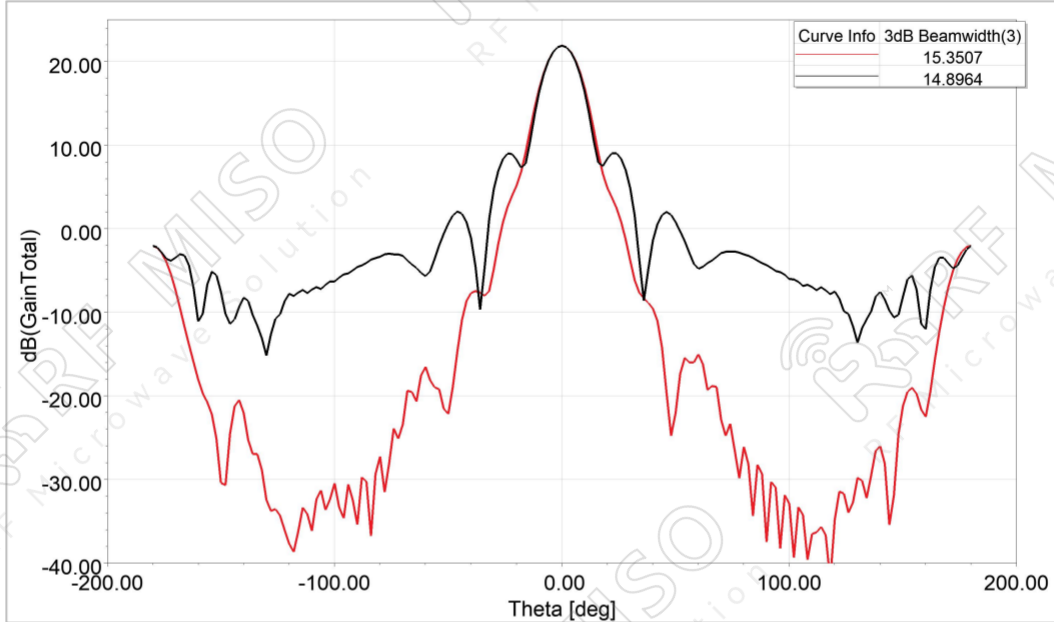
275GHz

Standard Gain Horn Antenna
20 dBi Typ. Gain, 220-325GHz Frequency Range



Standard Gain Horn Antenna Data

RM-SGHA3-20



325GHz