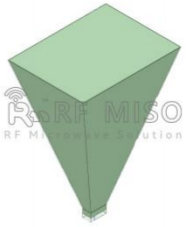
RF MISO
RF Microwave Solution

Standard Gain Horn Antenna
17dBi Typ. Gain, 2.2-3.3GHz Frequency Range



Standard Gain Horn Antenna Data Sheet

RM-SGHA340-15

Features

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

Descriptions

RF MISO's **Model RM-SGHA340-15** is a linear polarized standard gain horn antenna that operates from 2.2 to 3.3 GHz. The antenna offers a typical gain of 17 dBi and low VSWR 1.3:1. This antenna has flange input and coaxial input for customers to rotate. Antenna mounting brackets include ordinary L-type mounting bracket and rotating L-type bracket①

Specifications

Parameters	Specification		Unit
Frequency Range	2.2-3.3		GHz
Wave-guide	WR340		
Gain	15 Typ.		dBi
VSWR	1.3 Typ.		
Interface	FDP22(F Type)	N-Female(C Type)	
Material	Al		
Finishing	Paint		
Size,C Type (L*W*H)	442.38*342.81*238.56 (±5)		mm
Weight	1.453(F Type)	2.062(C Type)	Kg
C Type Average Power	150		w
C Type Peak Power	3000		w
Operating Temperature	-40° ~+85°		° C

Website: www.rf-miso.com **Email**: info@rf-miso.com **Tel**: +86 028 82695327

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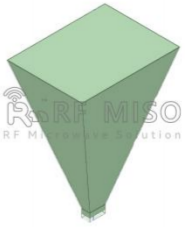

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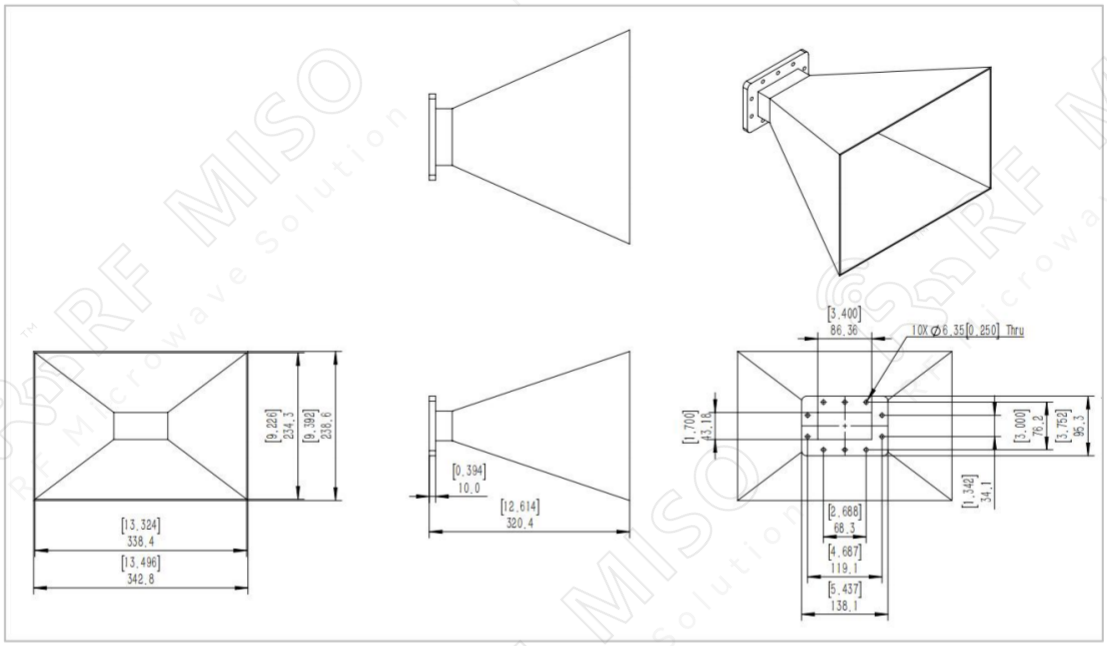
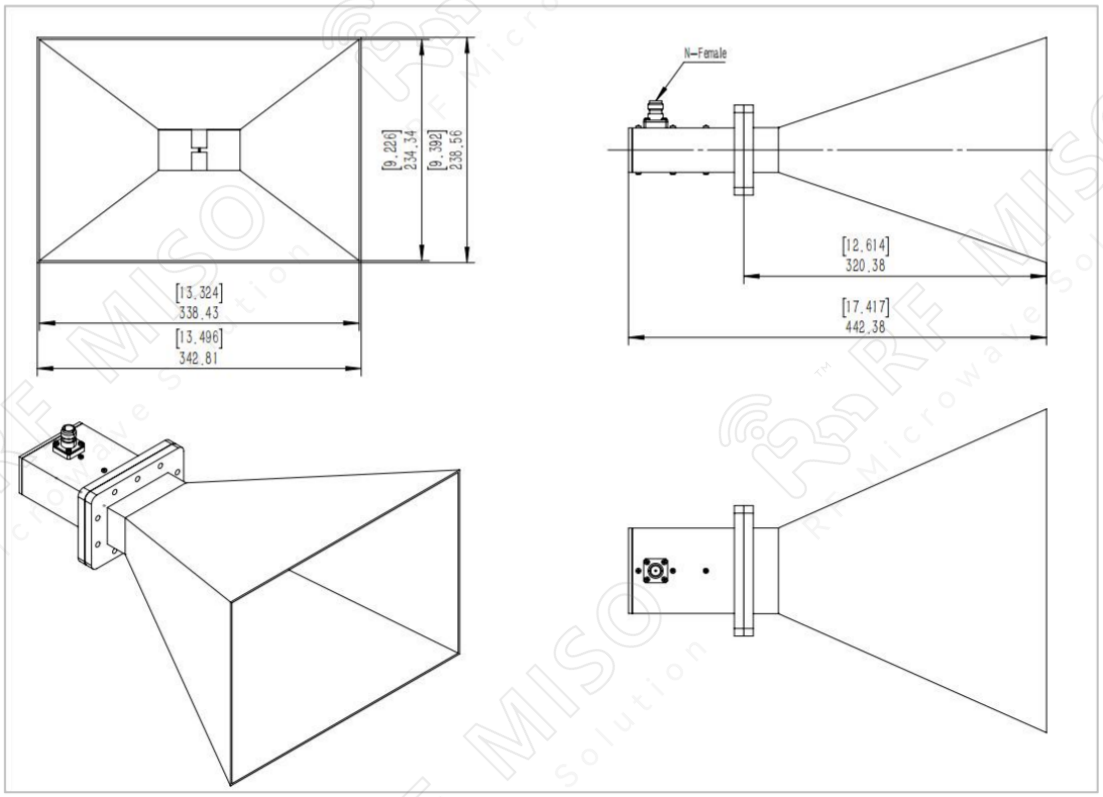
RM-SGHA340-15

F-Type Mechanical Drawing (P/N: RM-SGHA340-15F)



C-Type Mechanical Drawing (P/N: RM-SGHA340-15C)



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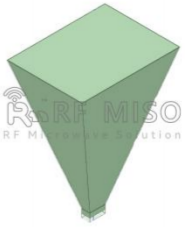
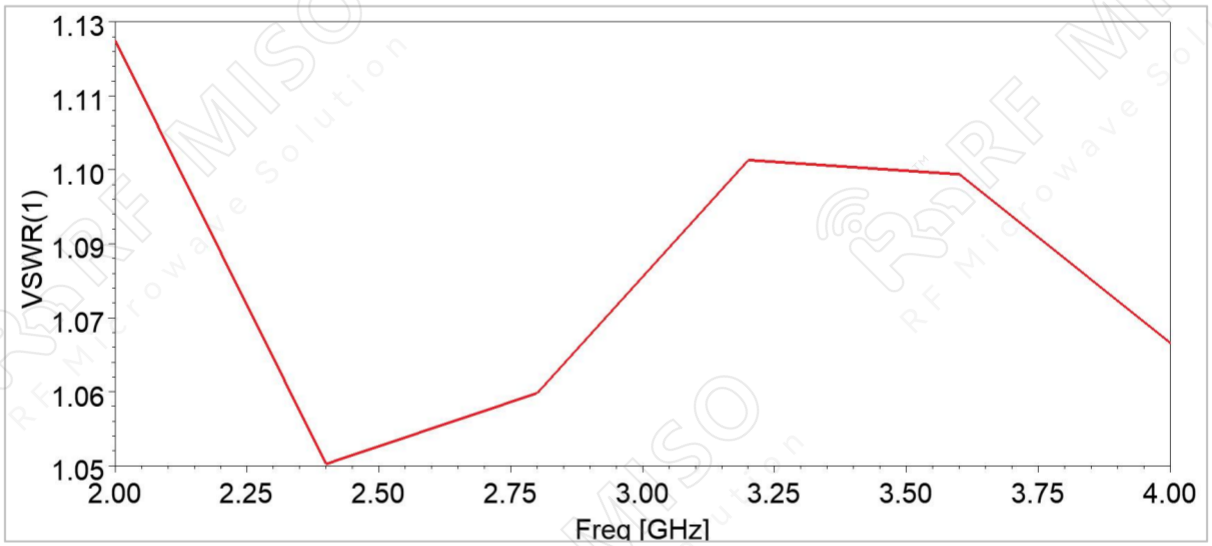
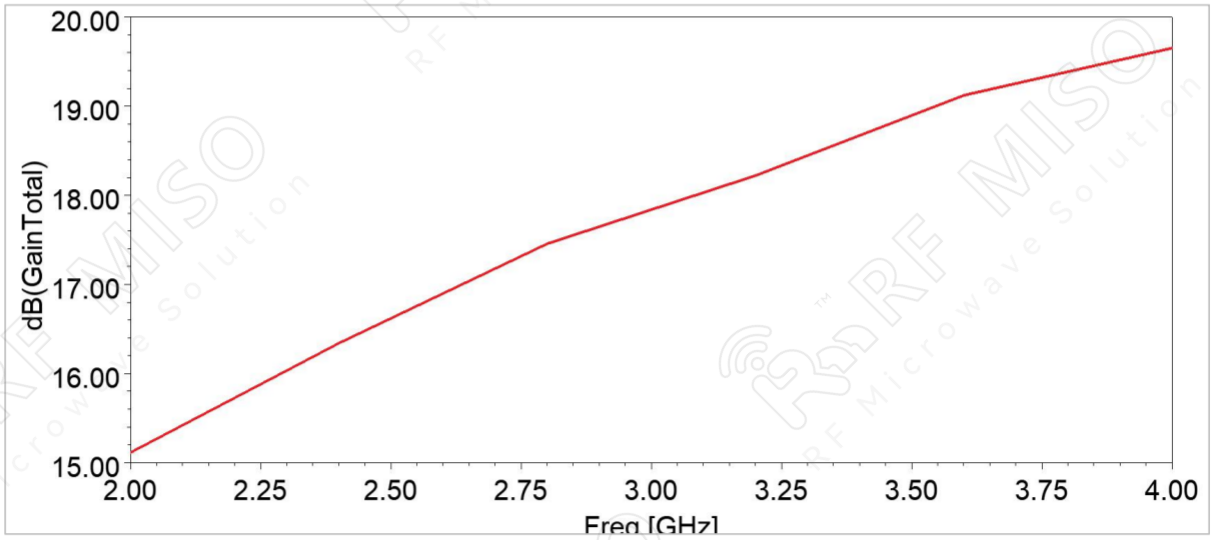
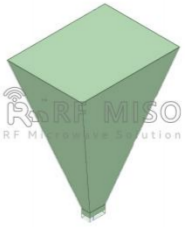


VSWR


1.13
1.11
1.10
1.09
1.07
1.06
1.05
VSWR(1)
2.00
2.25
2.50
2.75
3.00
3.25
3.50
3.75
4.00
Freq [GHz]

Gain


20.00
19.00
18.00
17.00
16.00
15.00
dB(GainTotal)
2.00
2.25
2.50
2.75
3.00
3.25
3.50
3.75
4.00
Freq [GHz]



① **Rotating L-type bracket**: The rotating bracket is used for antenna polarization adjustment, and the tooling integrated with the bracket can precisely adjust the polarization directions of 0° , 45° , and 90° to ensure the accuracy and consistency of the calibration results.

Note:

- If the data presented is simulated. Actual data may vary unit to unit, slightly.
- Any foreign objects in the wave-guide will cause performance degradation and possible device damage.
- We can customize antennas according to your specific needs.