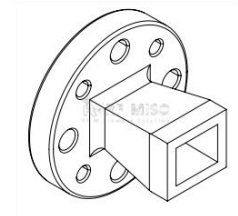


Standard Gain Horn Antenna
 10 dBi Typ. Gain, 60-90GHz Frequency Range



Standard Gain Horn Antenna Data

RM-SGHA12-10

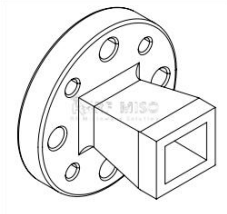
Description

RF MISO's **Model RM-SGHA12-10** is a linear polarized standard gain horn antenna that operates from 60 to 90 GHz. The antenna offers a typical gain of 10 dBi and low VSWR <1.3, This antenna has flange input and coaxial input for customers to rotate.

Specifications

RM-SGHA12-10			
Item	Specification		Units
Frequency Range	60-90		GHz
Wave-guide	WR12		
Gain	10 Typ.		dBi
VSWR	<1.3		
Polarization	Linear		
Cross Polarization	50 Typ.		dB
3dB Beamwidth	E-Plane:38.3-51.1	H-Plane:35.3-49.9	deg
Interface	FUGP740 (F Type)	1.0mm-Female (C Type)	
Material,Finishing	Cu,Gold Plate		
C Type Size(L*W*H)	33.7*19.1*19.1(±5)		mm
Weight	0.012(F Type)	0.018(C Type)	kg
C Type Power Handling	Average: 3	Peakl: 5	W

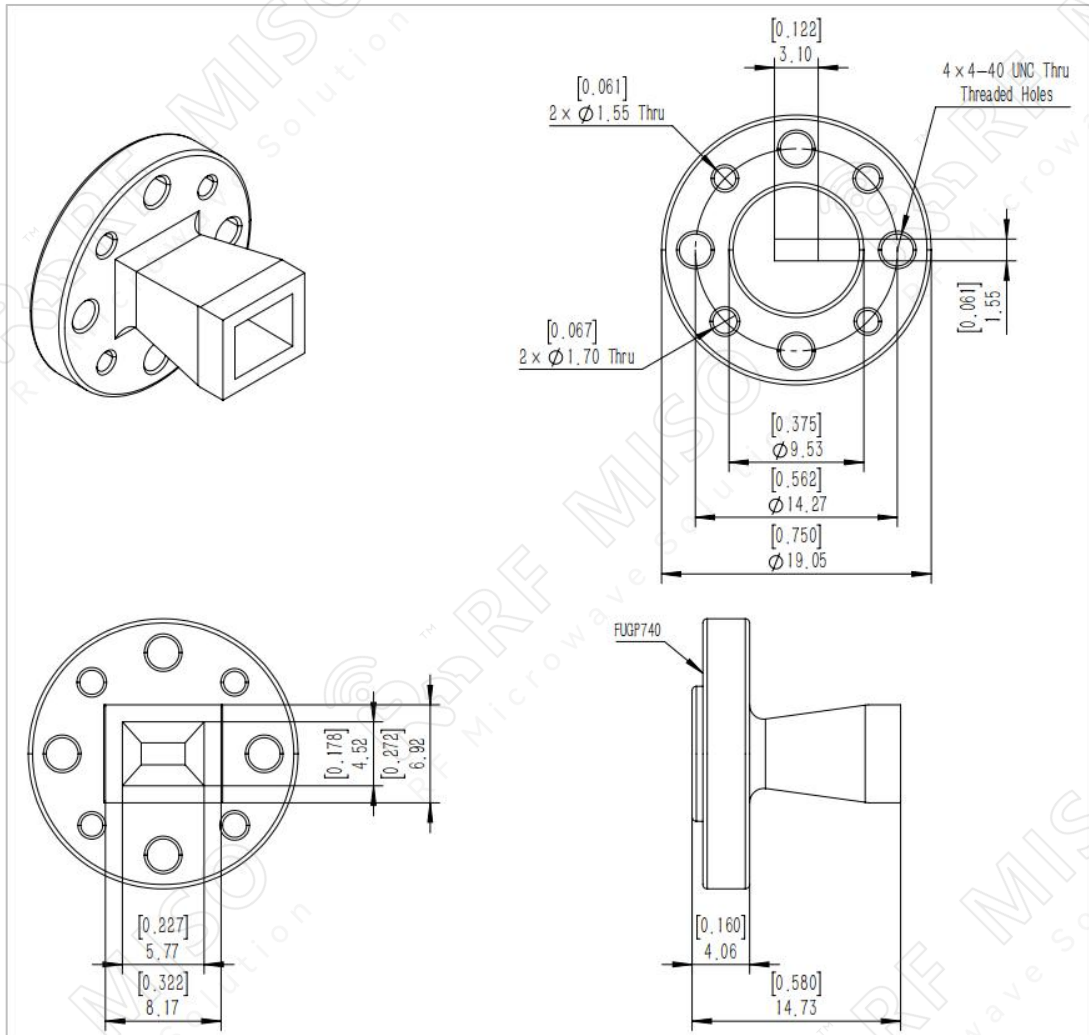
Standard Gain Horn Antenna
10 dBi Typ. Gain, 60-90GHz Frequency Range



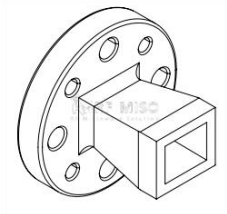
Standard Gain Horn Antenna Data

RM-SGHA12-10

F-Type Mechanical Drawing (P/N: RM-SGHA12-10F)



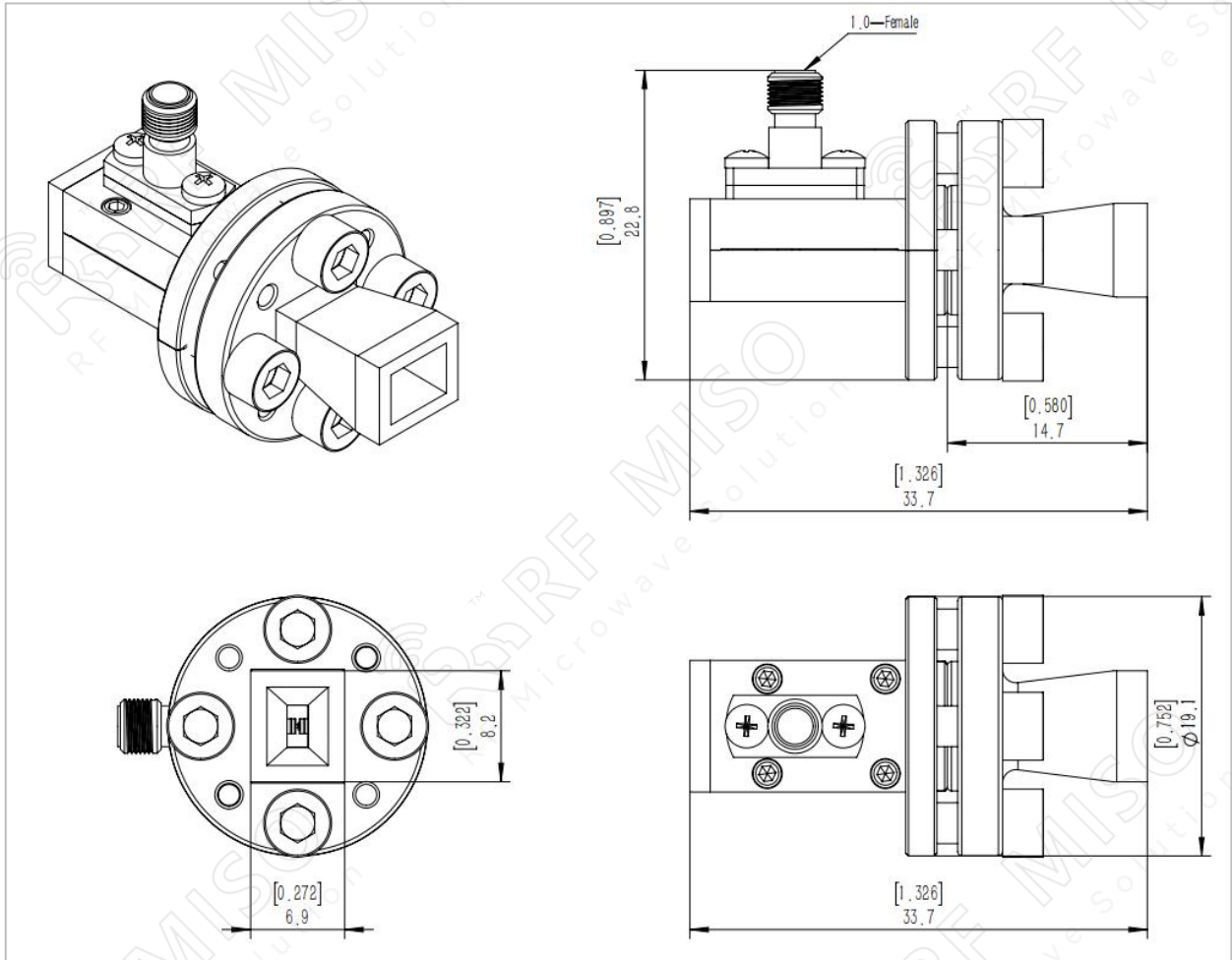
Standard Gain Horn Antenna
10 dBi Typ. Gain, 60-90GHz Frequency Range



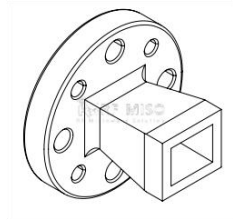
Standard Gain Horn Antenna Data

RM-SGHA12-10

F-Type Mechanical Drawing (P/N: RM-SGHA12-10C)



Standard Gain Horn Antenna
10 dBi Typ. Gain, 60-90GHz Frequency Range

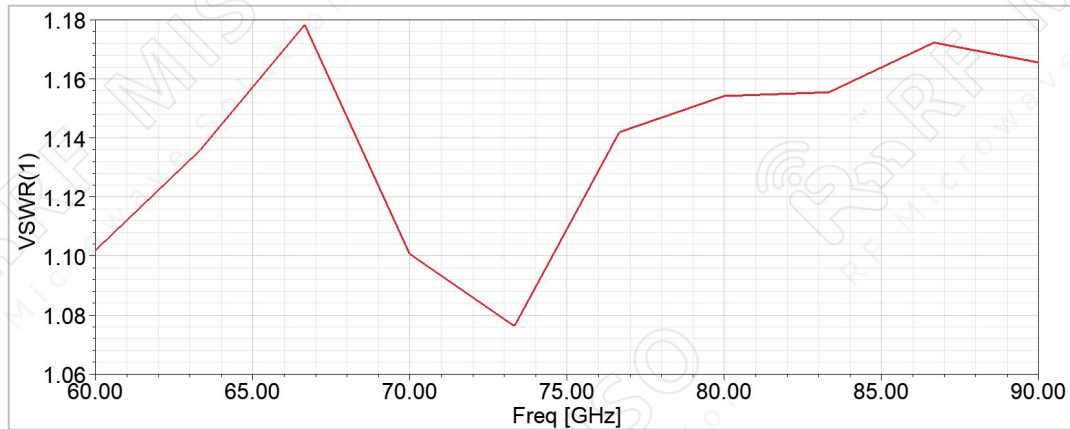


Standard Gain Horn Antenna Data

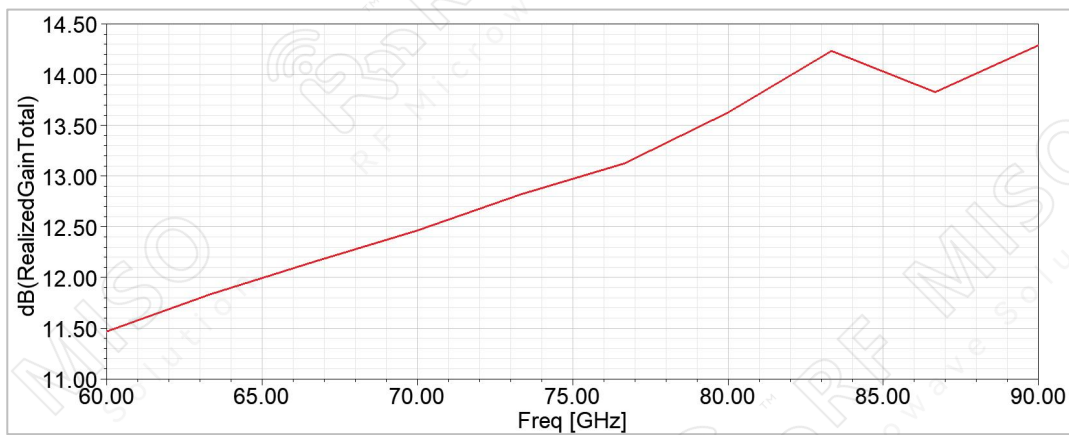
RM-SGHA12-10

Simulated Data

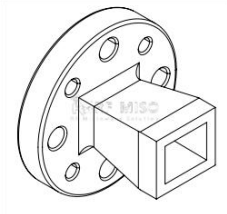
VSWR



Gain



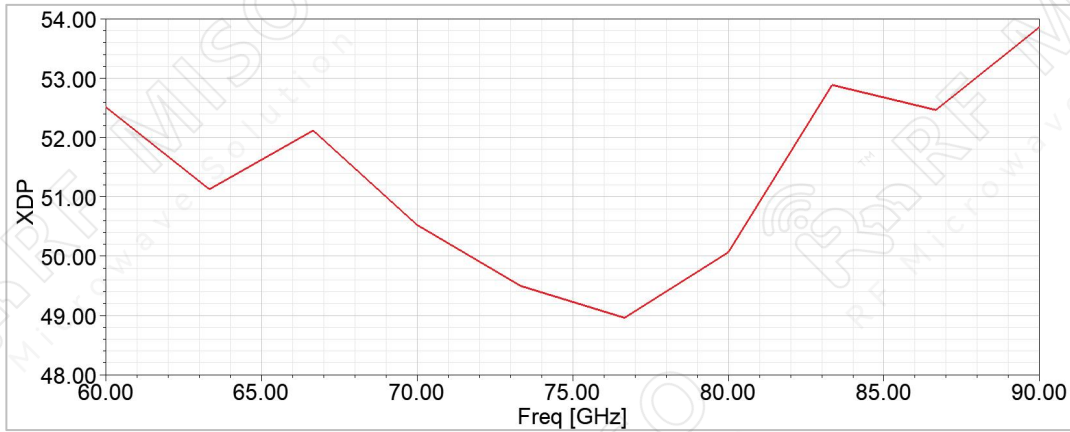
Standard Gain Horn Antenna
10 dBi Typ. Gain, 60-90GHz Frequency Range



Standard Gain Horn Antenna Data

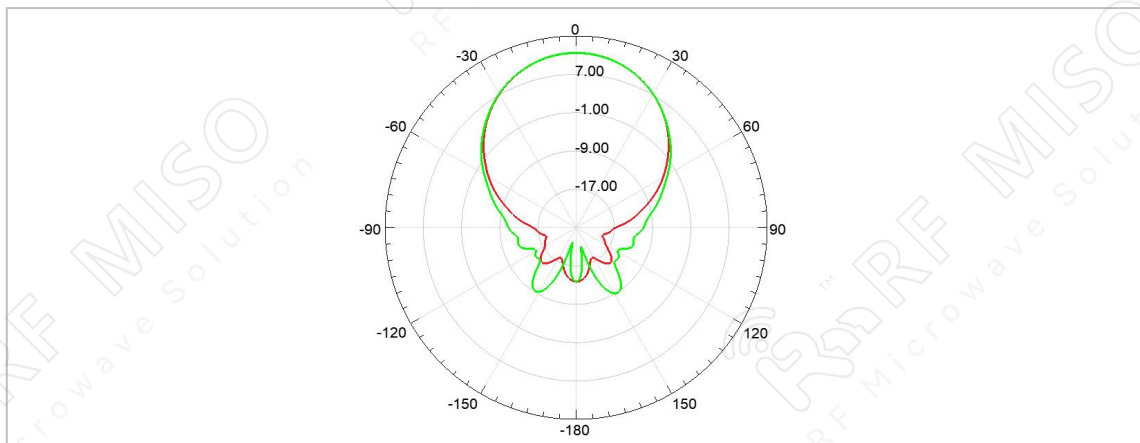
RM-SGHA12-10

Cross Polarization



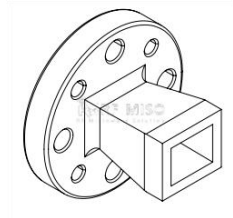
Gain Pattern

3dB Beamwidth@60GHz: E-Plane 50.18, H-plane 49.94.



Standard Gain Horn Antenna

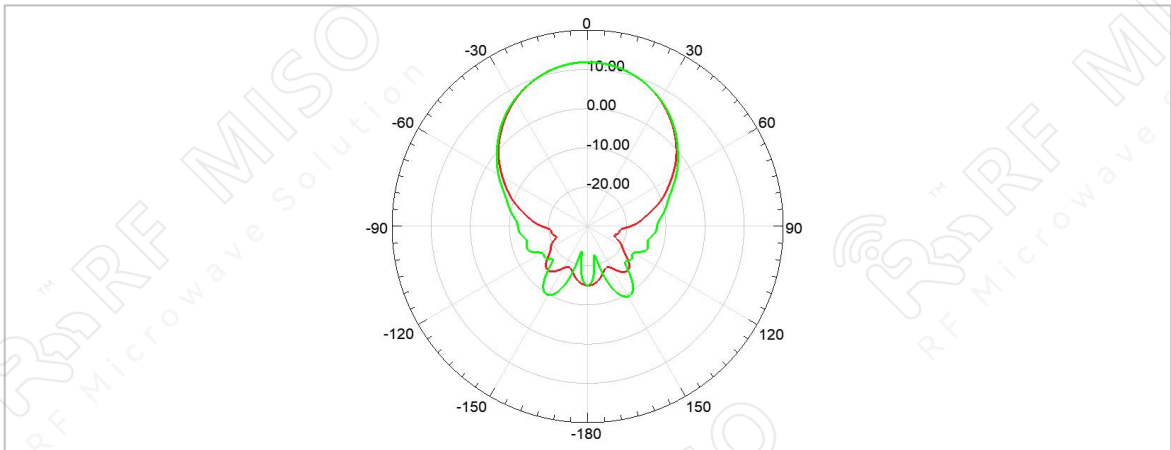
10 dBi Typ. Gain, 60-90GHz Frequency Range



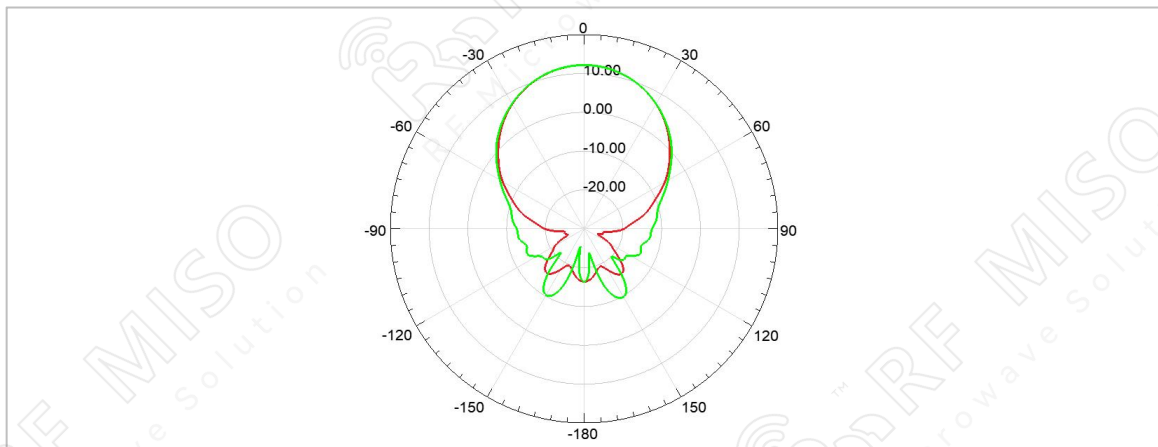
Standard Gain Horn Antenna Data

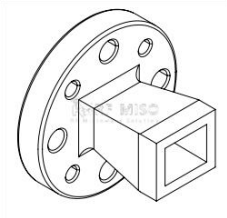
RM-SGHA12-10

3dB Beamwidth@63.3GHz: E-Plane 48.07, H-plane 47.64.



3dB Beamwidth@66.6GHz: E-Plane 46.09, H-plane 45.73.

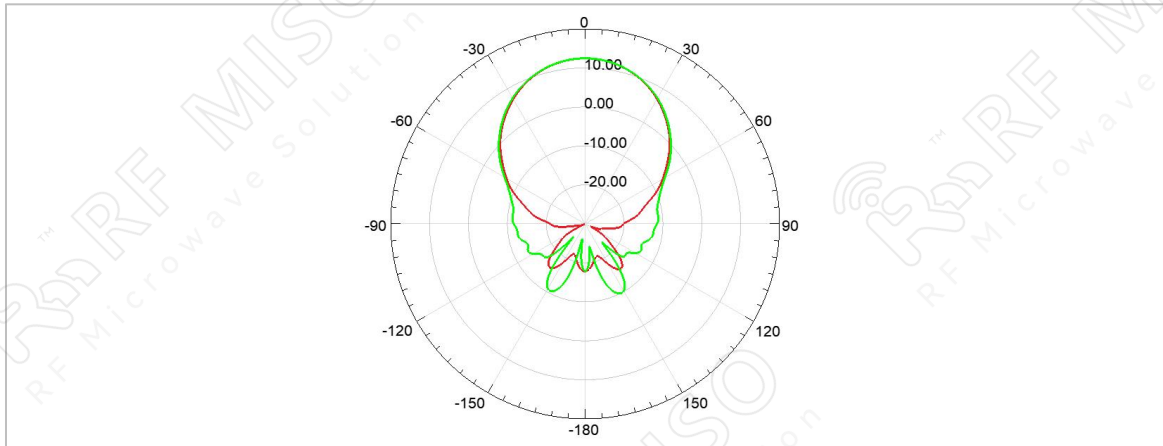




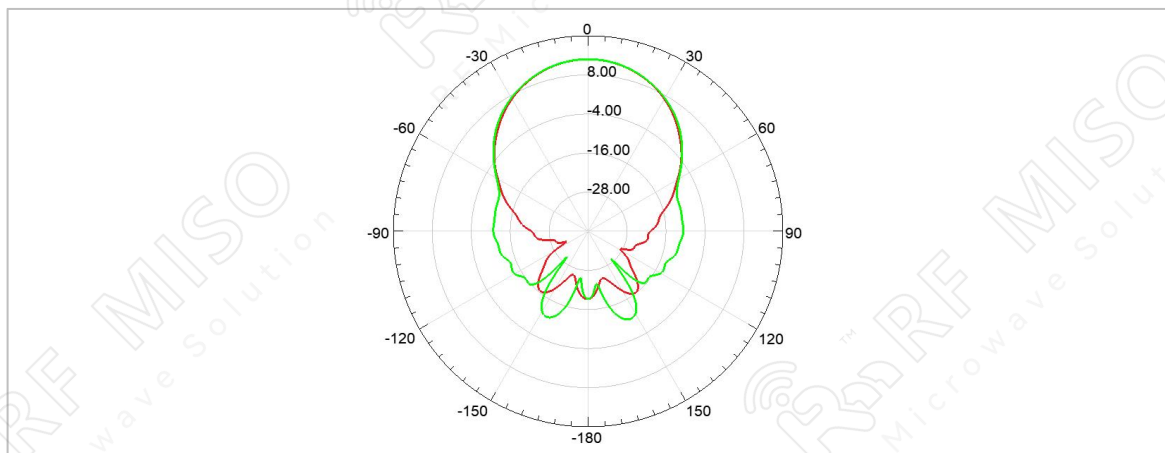
Standard Gain Horn Antenna Data

RM-SGHA12-10

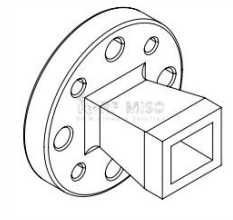
3dB Beamwidth@70GHz: E-Plane 45.15, H-plane 43.96.



3dB Beamwidth@73.3GHz: E-Plane 43.24, H-plane 42.09.



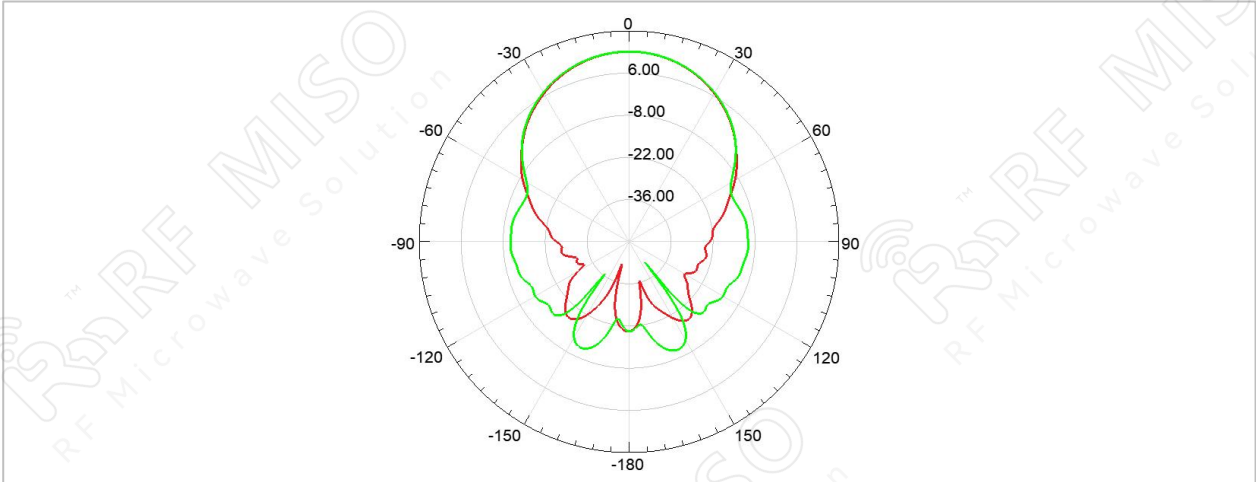
Standard Gain Horn Antenna
10 dBi Typ. Gain, 60-90GHz Frequency Range



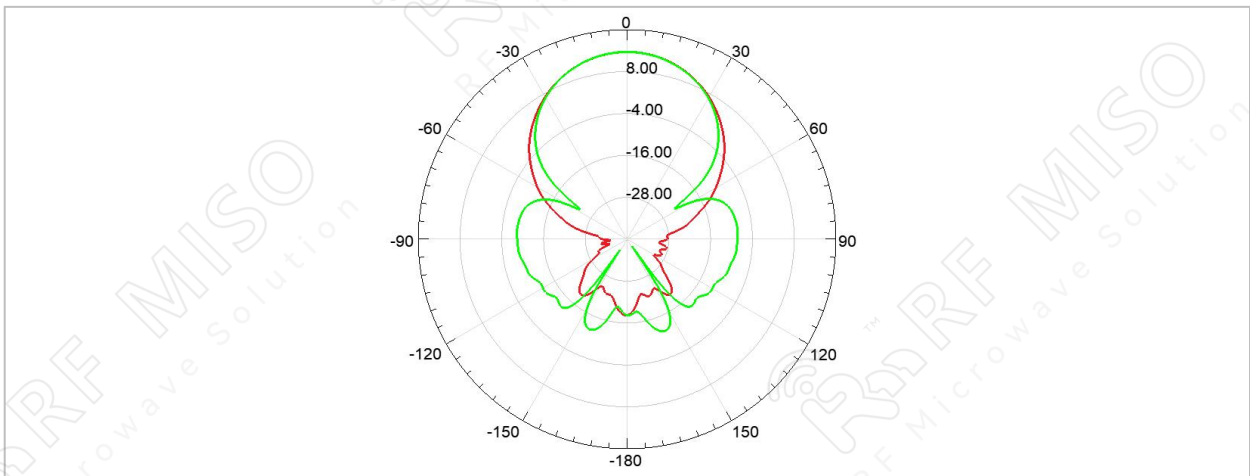
Standard Gain Horn Antenna Data

RM-SGHA12-10

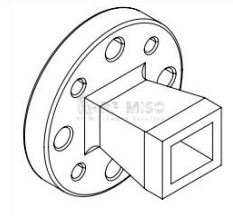
3dB Beamwidth@76.6GHz: E-Plane 42.45, H-plane 40.92.



3dB Beamwidth@80GHz: E-Plane 39.72, H-plane 40.24.



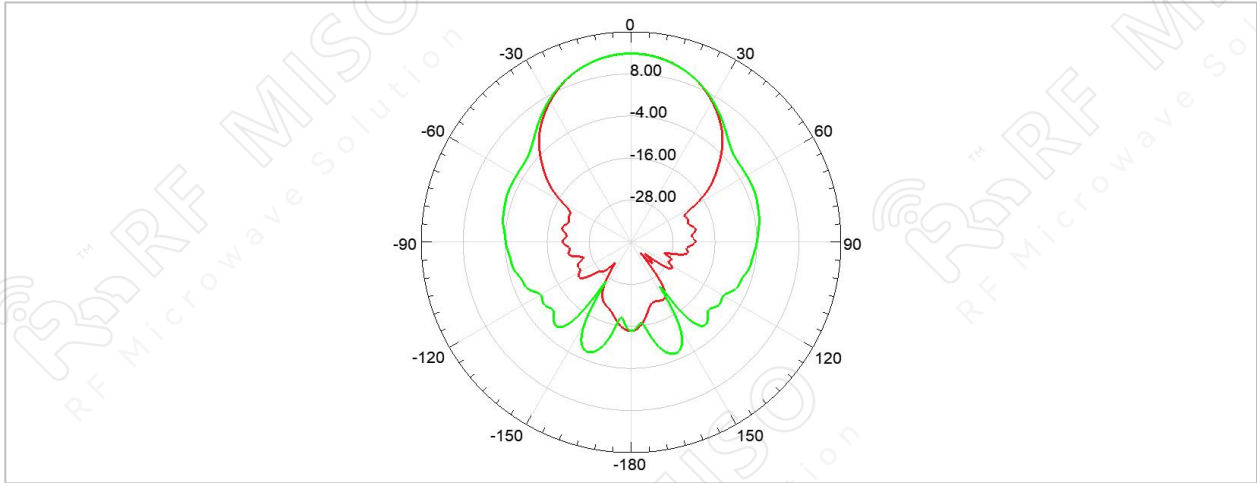
Standard Gain Horn Antenna
10 dBi Typ. Gain, 60-90GHz Frequency Range



Standard Gain Horn Antenna Data

RM-SGHA12-10

3dB Beamwidth@86.6GHz: E-Plane 38.24, H-plane 38.08.



3dB Beamwidth@90GHz: E-Plane 38.36, H-plane 35.31.

