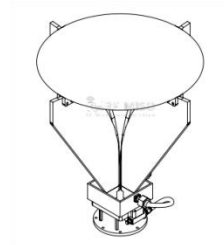


*Dual Circular Polarization Horn Antenna
12 dBi Typ. Gain, 1.2-2.4 GHz Frequency Range*



Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA1224-12

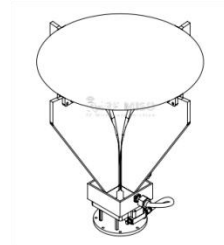
Descriptions

RF MISO's **Model RM-DCPHA1224-12** is a dual circular polarized horn antenna that operates from 1.2 to 2.4 GHz, The antenna offers 12dBi typical gain. The antenna VSWR <2. the interface is SMA-F. The antenna can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

Specifications

RM-DCPHA1224-12		
Parameters	Typical	Units
Frequency Range	1.2-2.4	GHz
Gain	12 Typ.	dBi
VSWR	<2	
Polarization	Dual Circular	
Cross Polarization	40 Typ.	dB
AR	<1	dB
3dB Beamwidth,E-Plane	29.72~49.43	°
3dB Beamwidth,H-Plane	29.72~49.51	°
Coaxial Interface	SMA-Female	
Material	Al	
Finishing	Paint Black	
Size(L*W*H)	361.3*361.3*395.6(±5)	mm
Weight	8.259	Kg

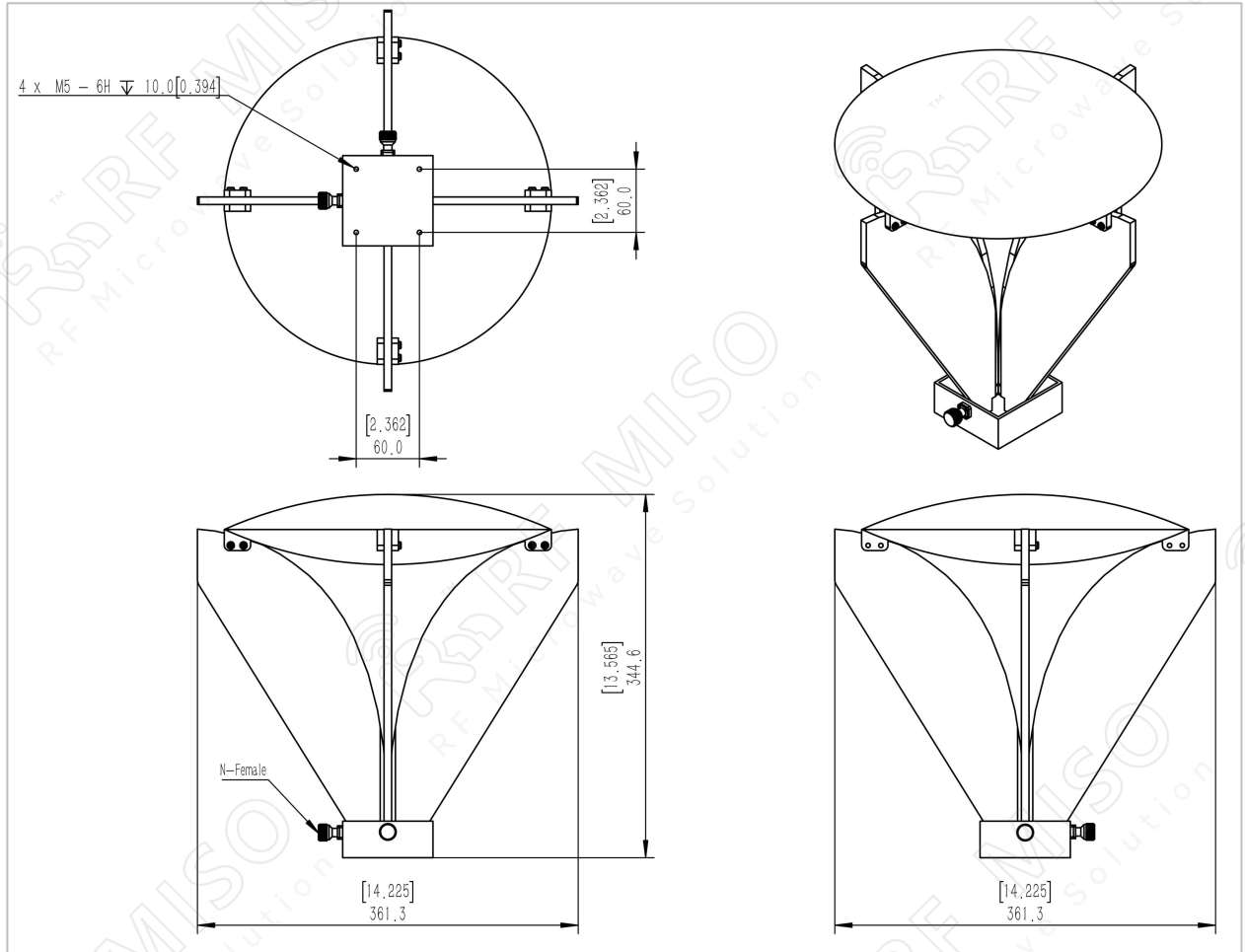
*Dual Circular Polarization Horn Antenna
12 dBi Typ. Gain, 1.2-2.4 GHz Frequency Range*



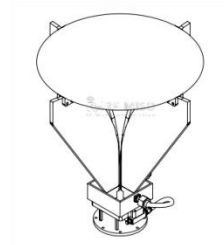
Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA1224-12

Outline Drawing



*Dual Circular Polarization Horn Antenna
12 dBi Typ. Gain, 1.2-2.4 GHz Frequency Range*

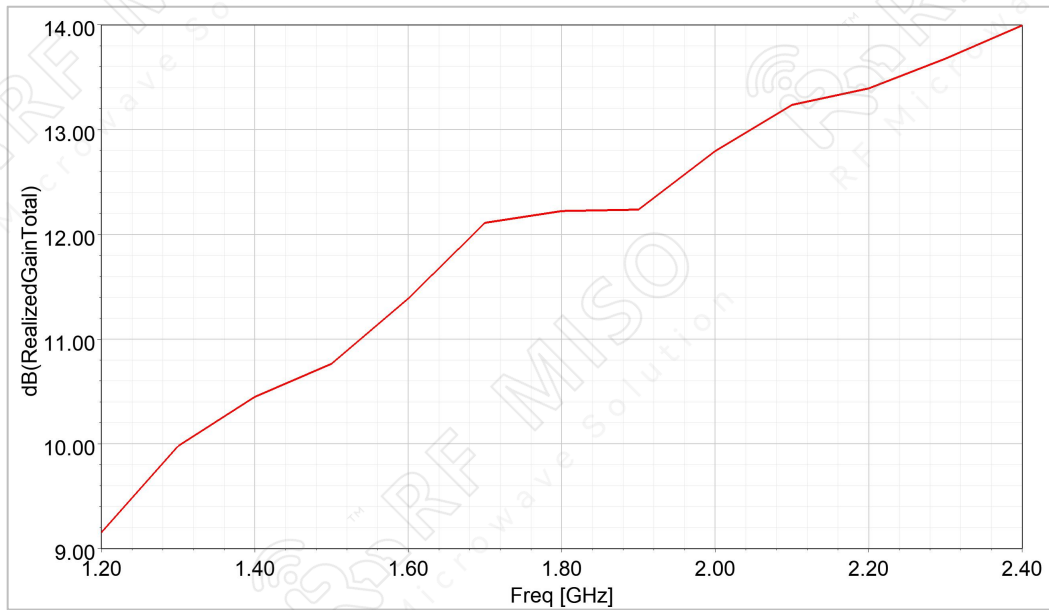


Dual Circular Polarized Horn Antenna Data Sheet

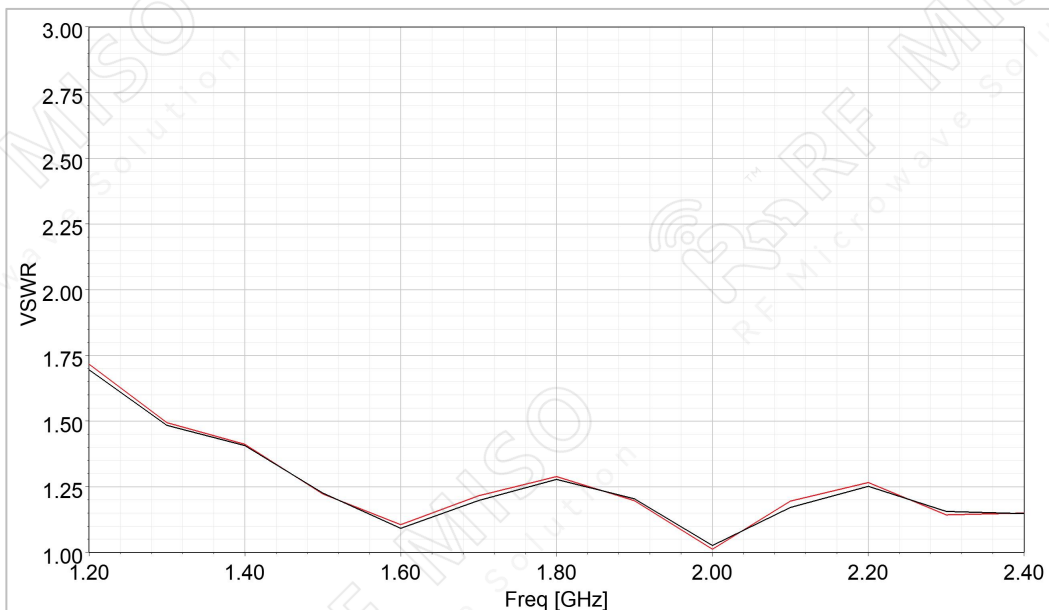
RM-DCPHA1224-12

Simulation Data

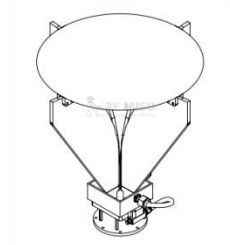
Gain



VSWR



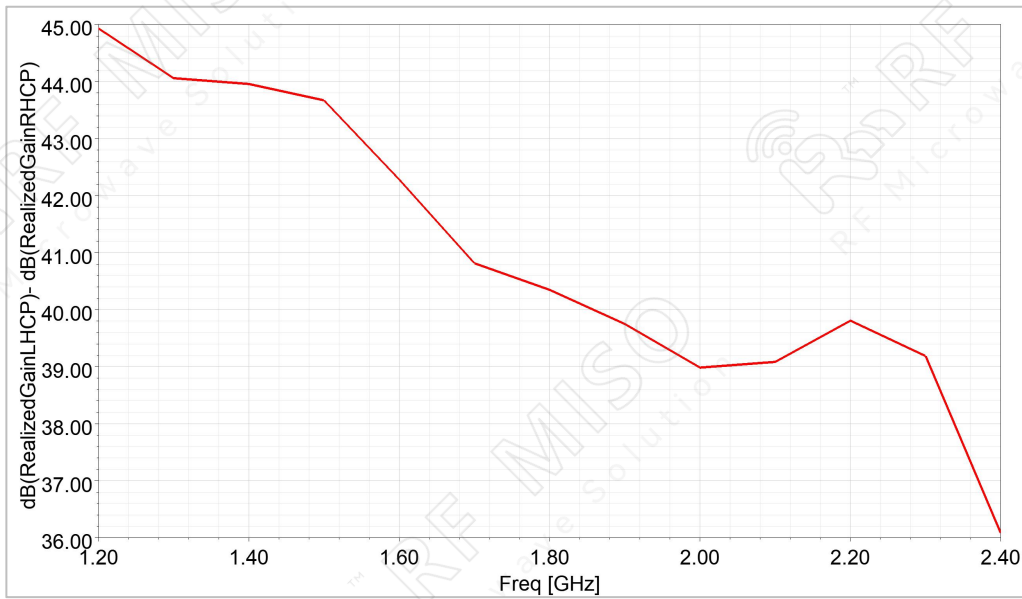
Dual Circular Polarization Horn Antenna
12 dBi Typ. Gain, 1.2-2.4 GHz Frequency Range



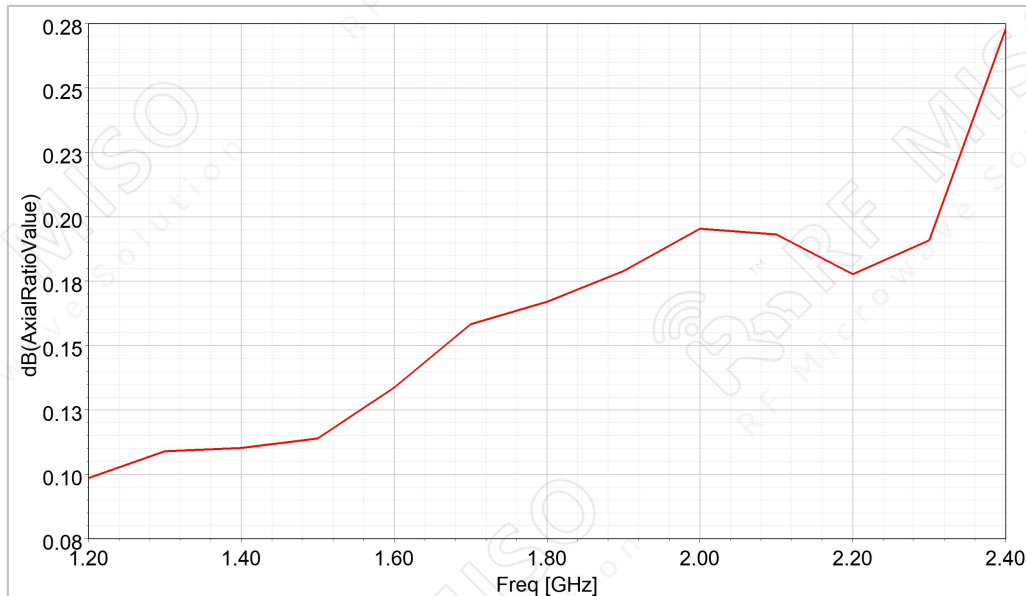
Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA1224-12

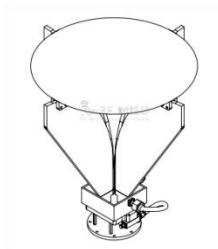
Cross Polarization



AR



Dual Circular Polarization Horn Antenna
12 dBi Typ. Gain, 1.2-2.4 GHz Frequency Range

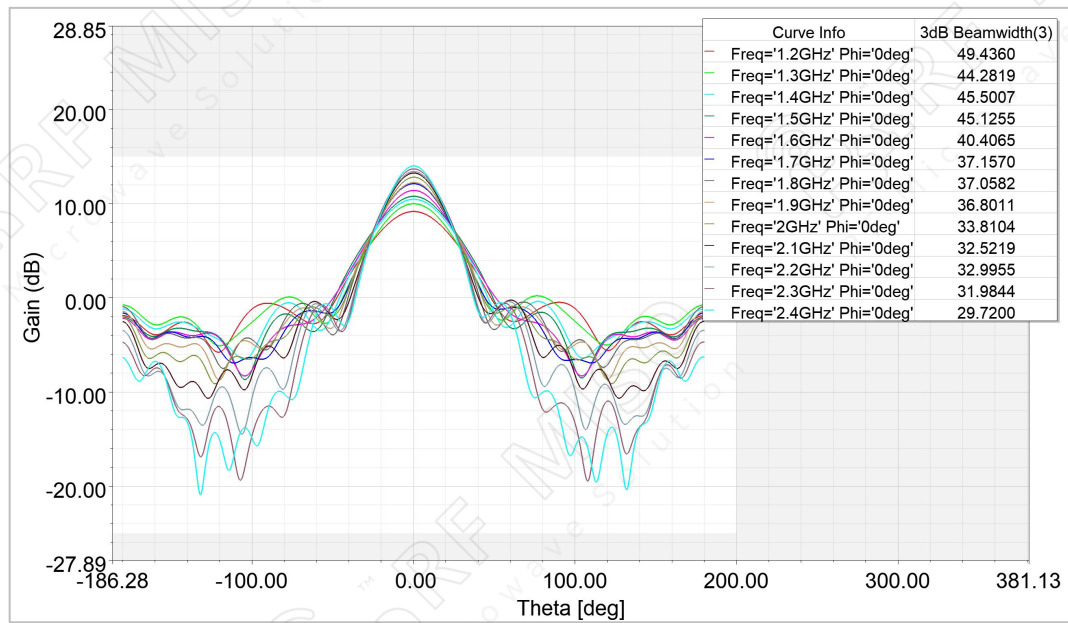


Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA1224-12

Gain Patterns

E-Plane



H-Plane

