

*Circular Polarization Horn Antenna
12 dBi Typ. Gain, 4-8 GHz Frequency Range*



Circular Polarized Horn Antenna Data Sheet

RM-CPHA48-12

Features

- Waveguide Input
- Low VSWR
- Good Orientation
- Dual Circular Polarized

Descriptions

RF MISO's **Model RM-CPHA48-12** is a dual circular polarized horn antenna that operates from 4 to 8 GHz, The antenna offers 12dBi typical gain. The antenna VSWR is typical 1.3:1. The antenna RF ports are waveguide and a coaxial converter can be added, the interface is N-K. The antenna can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

Specifications

RM-CPHA48-12		
Parameters	Typical	Units
Frequency Range	4-8	GHz
Gain	12 Typ.	dBi
VSWR	1.3 Typ.	
Polarization	RHCP and LHCP	
Axial Ratio	1.5 Typ.	dB
Input	Waveguide	
Coaxial Interface	N-K	
Material	Al	
Finishing	Paint Black	
Size	417*81*106.5(L*W*H)	mm

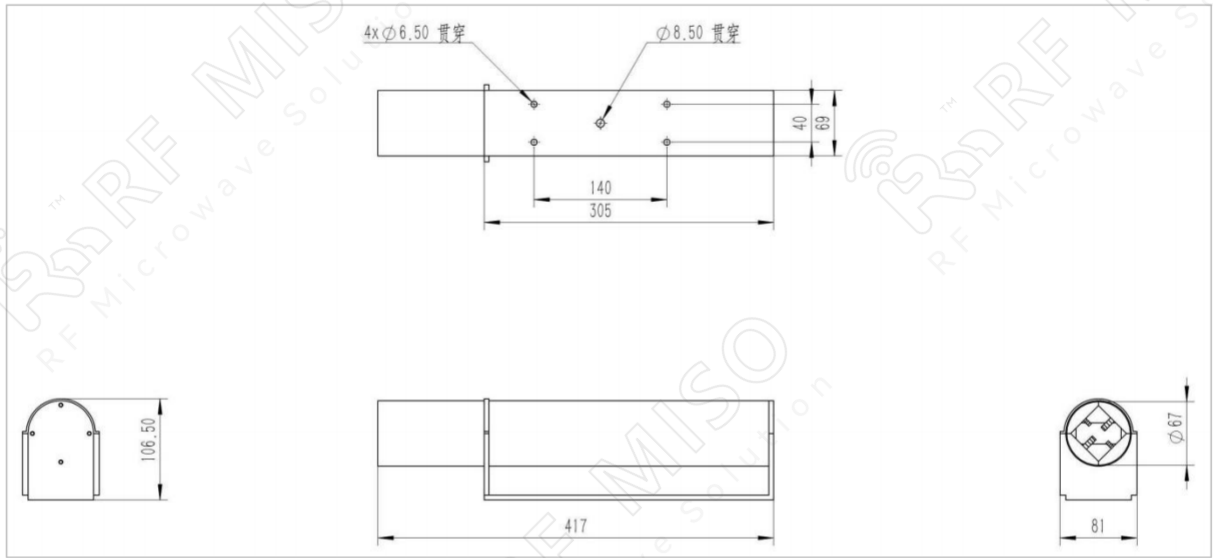


Circular Polarization Horn Antenna
12 dBi Typ. Gain, 4-8 GHz Frequency Range

Circular Polarized Horn Antenna Data Sheet

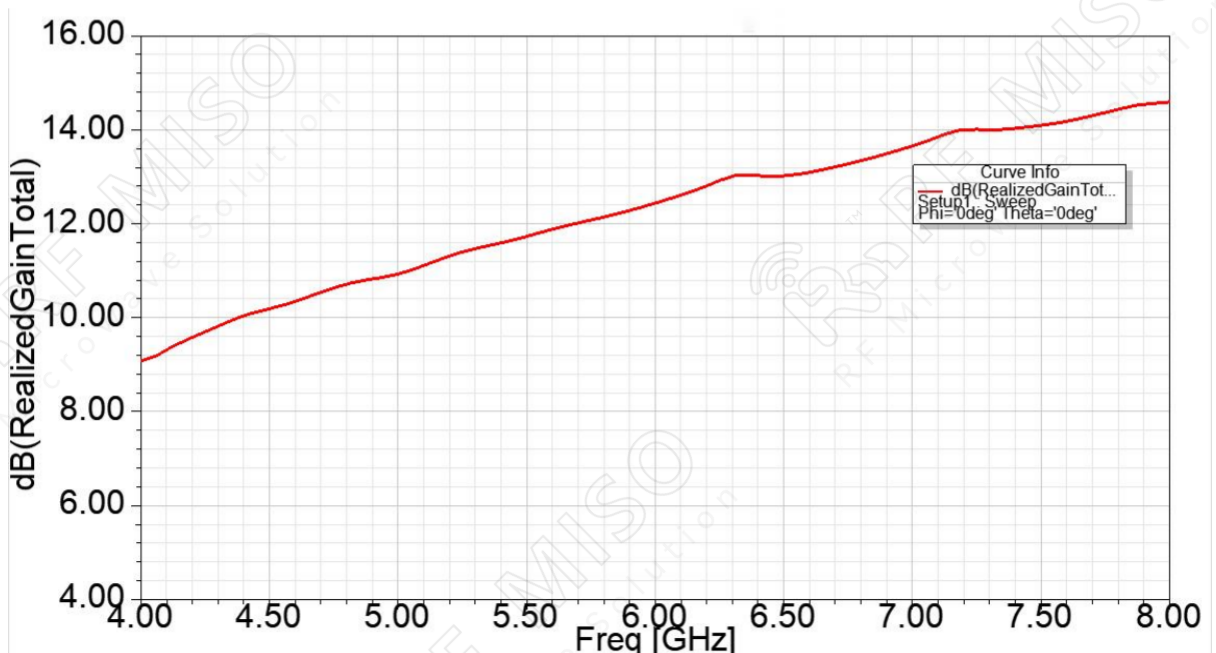
RM-CPHA48-12

Outline Drawing



Simulation Data

Gain



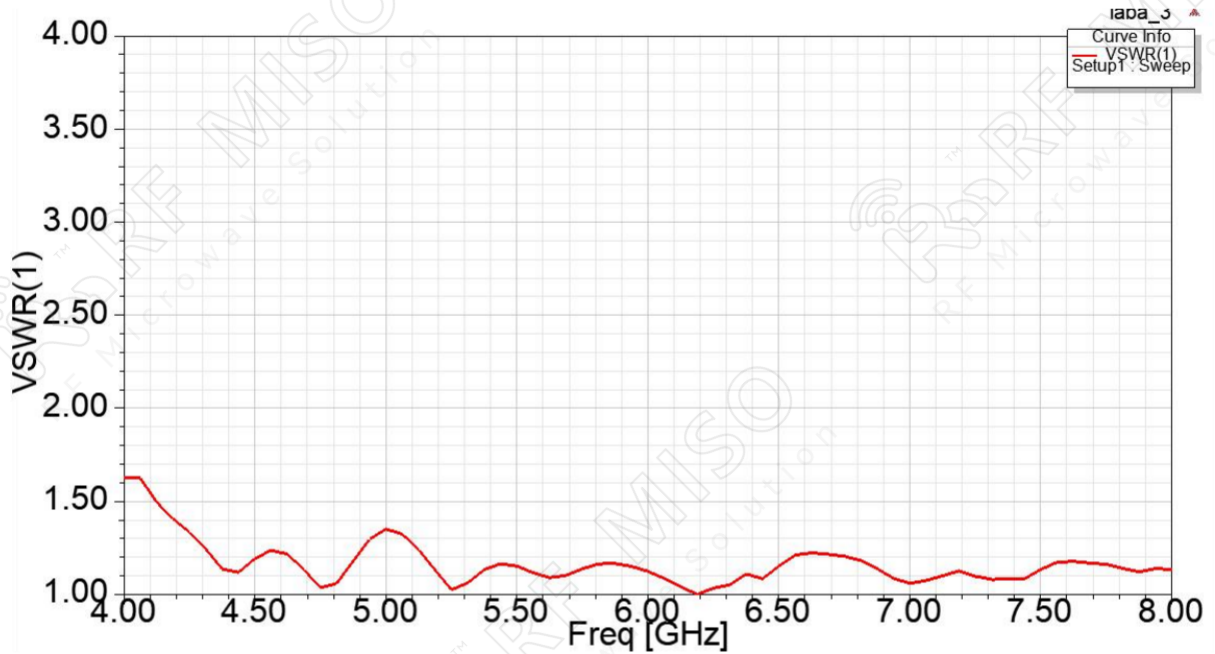
Circular Polarization Horn Antenna
12 dBi Typ. Gain, 4-8 GHz Frequency Range



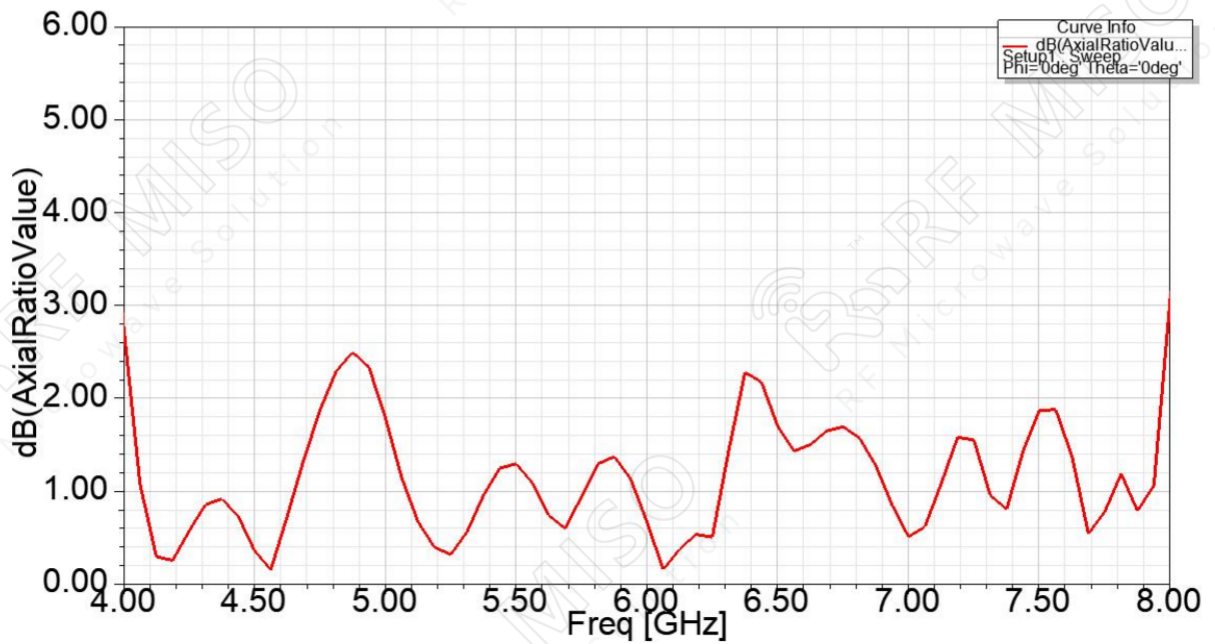
Circular Polarized Horn Antenna Data Sheet

RM-CPHA48-12

VSWR



Axial Ratio



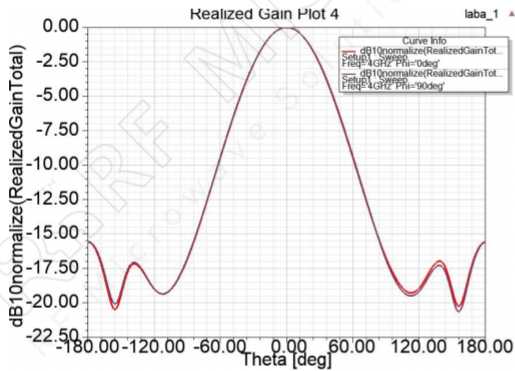


Circular Polarization Horn Antenna
12 dBi Typ. Gain, 4-8 GHz Frequency Range

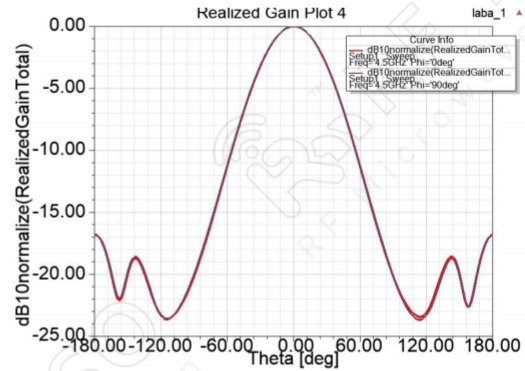
Circular Polarized Horn Antenna Data Sheet

RM-CPHA48-12

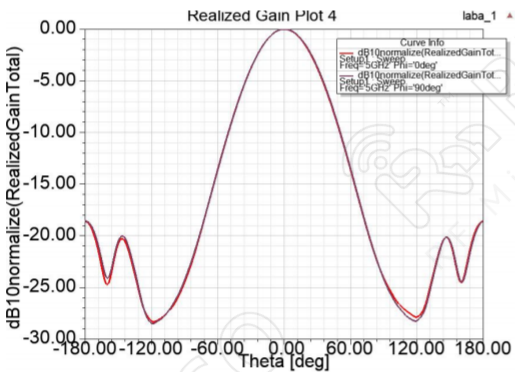
Gain Patterns



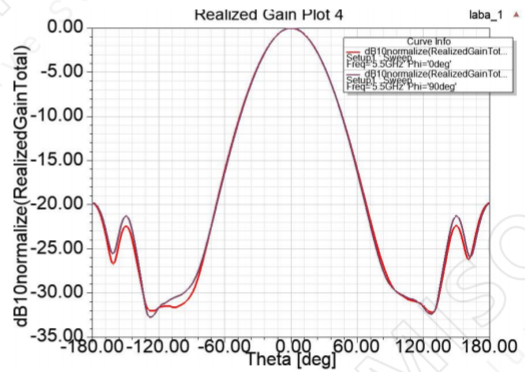
4GHz



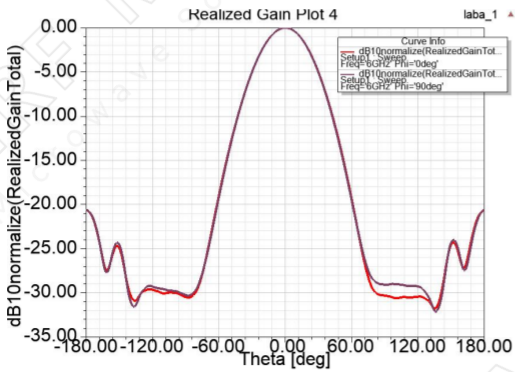
4.5GHz



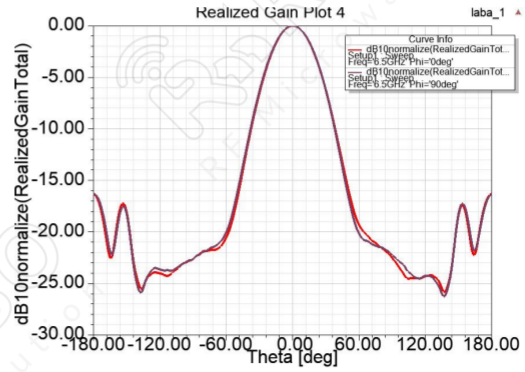
5GHz



5.5GHz



6GHz



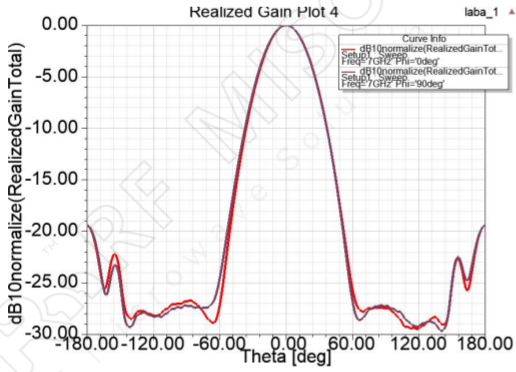
6.5GHz



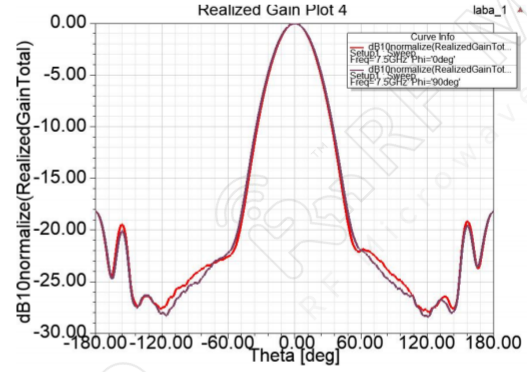
Circular Polarization Horn Antenna
12 dBi Typ. Gain, 4-8 GHz Frequency Range

Circular Polarized Horn Antenna Data Sheet

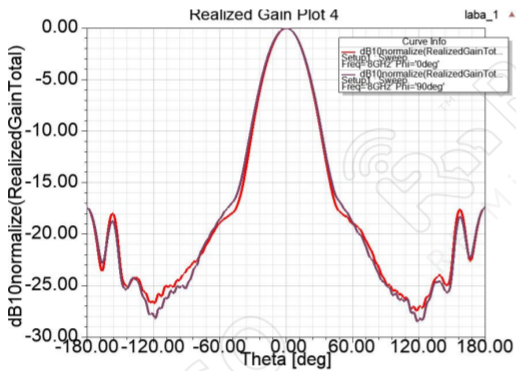
RM-CPHA48-12



7GHz



7.5GHz



8GHz