

*Dual Circular Polarization Horn Antenna
10 dBi Typ. Gain, 1-2 GHz Frequency Range*



Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA12-10

Descriptions

RF MISO's **Model RM-DCPHA12-10** is a dual circular polarized horn antenna that operates from 1 to 2 GHz, The antenna offers 10dBi typical gain. The antenna VSWR is typical 1.3:1. 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.

Specificaions

RM-DCPHA12-10		
Parameters	Typical	Units
Frequency Range	1-2	GHz
Gain	10 Typ.	dBi
VSWR	1.3 Typ.	
Polarization	Dual Circular	
Cross Polarization	40 Typ.	dB
F/B	50 Typ.	dB
Coaxial Interface	SMA-Female(high-power N-F available)	
Material	Al	
Finishing	Paint Black	
Size(L*W*H)	334.0*214.1*224.4(±5)	mm
Weight	3.163	Kg
Power handling, CW	P/N: RM-DCPHA12-10S: 50	W
	P/N: RM-DCPHA12-10N: 500	W

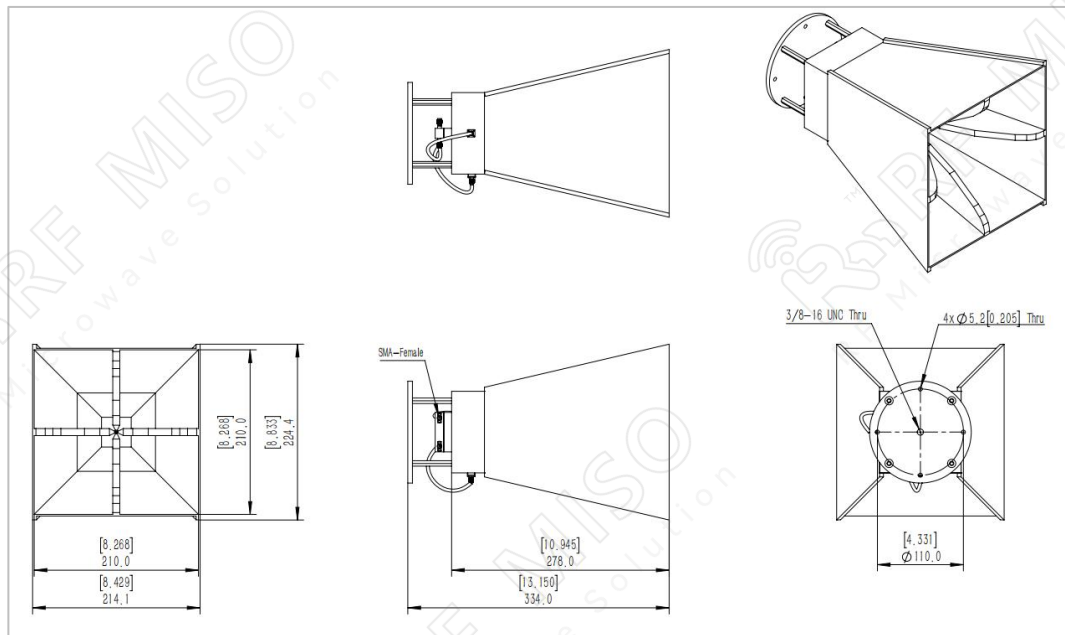
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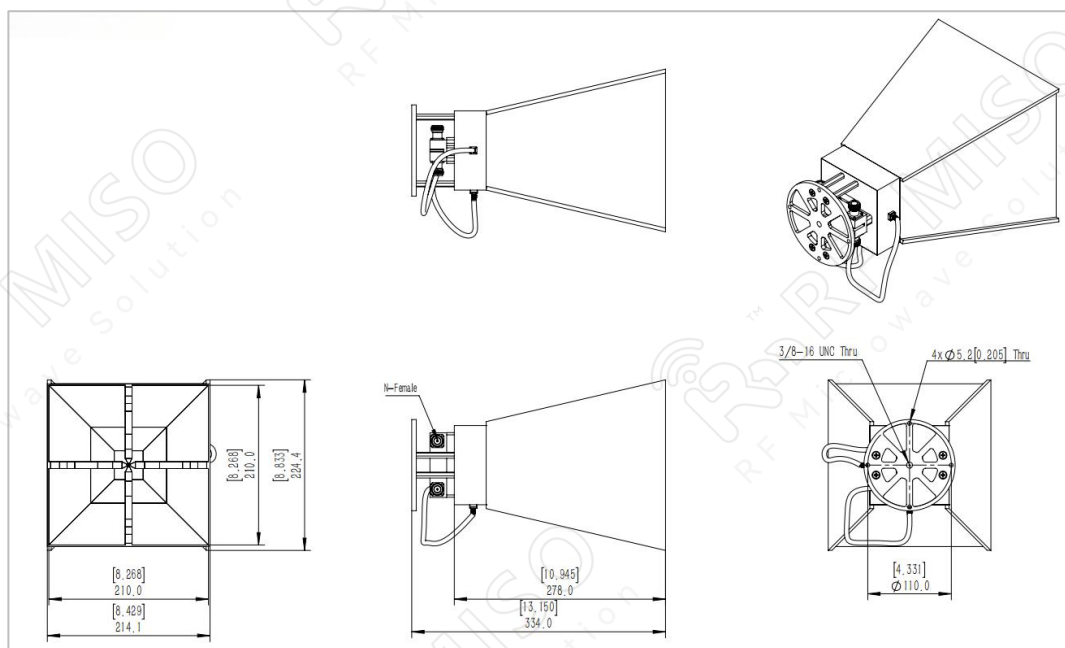
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Outline Drawing_P/N: RM-DCPHA12-10S



Outline Drawing_P/N: RM-DCPHA12-10N



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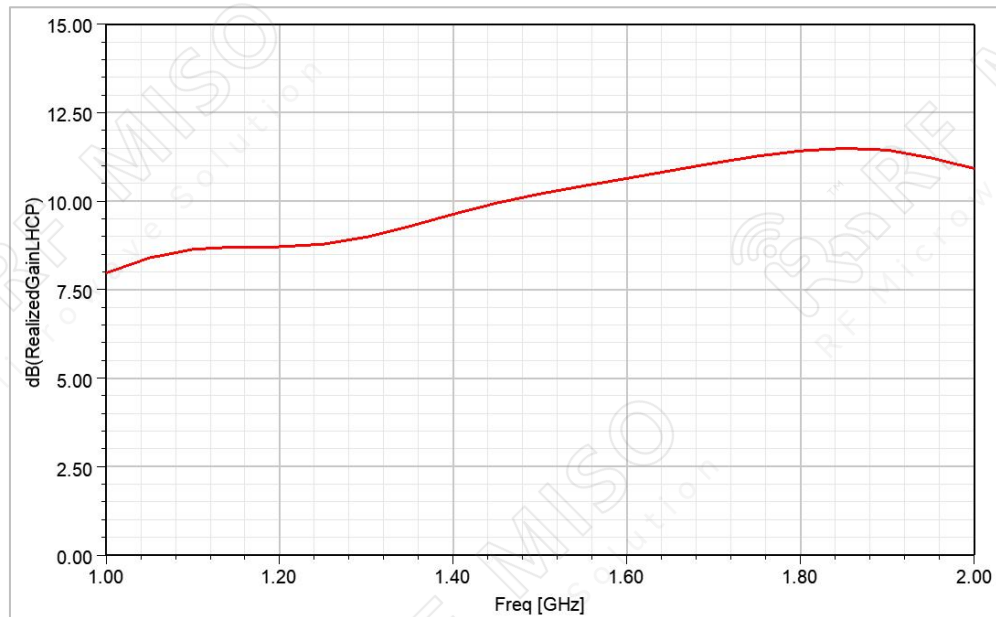


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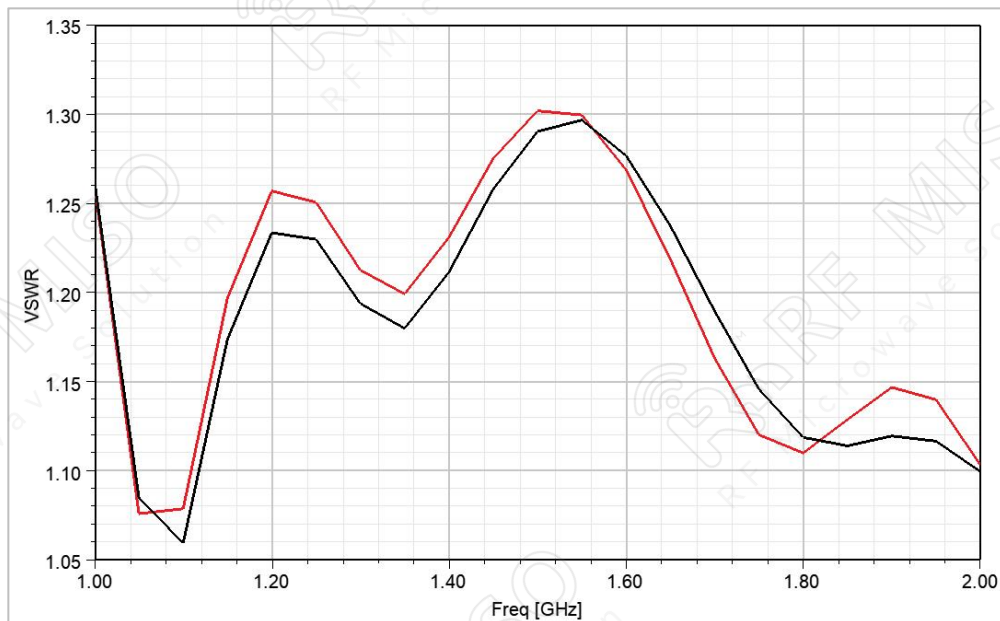
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Simulation Data

Gain



VSWR



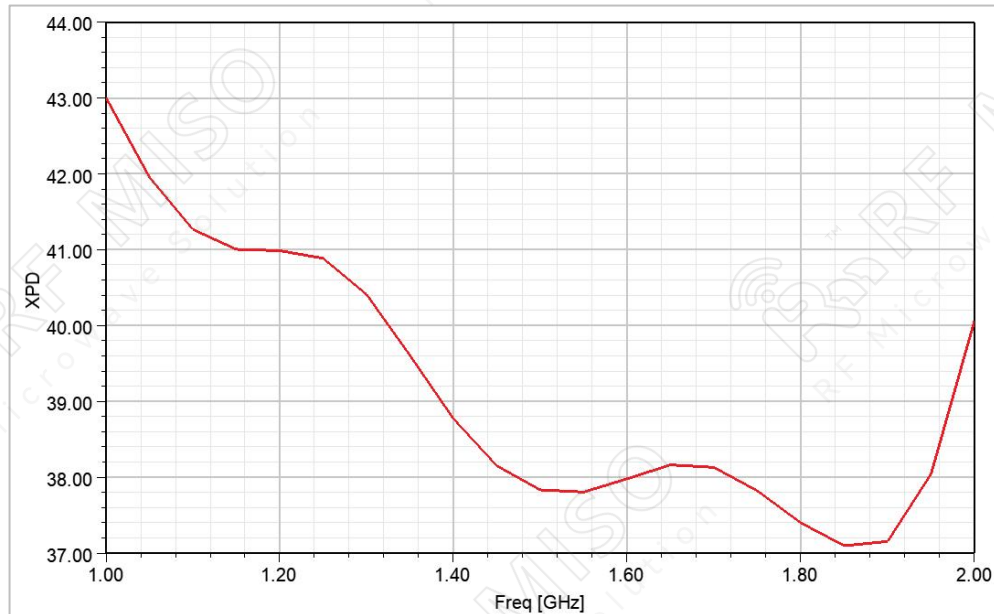
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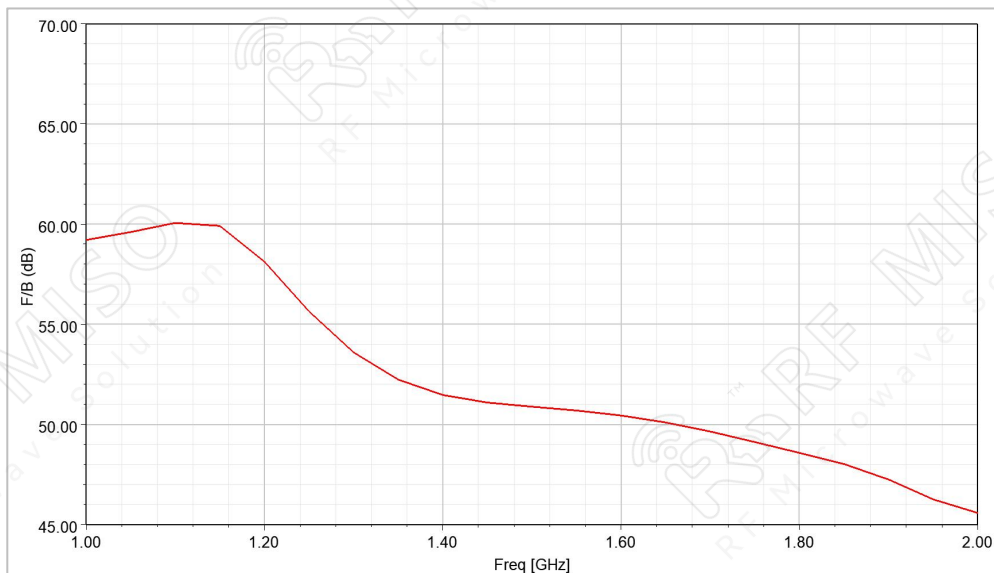
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Cross Polarization



F/B



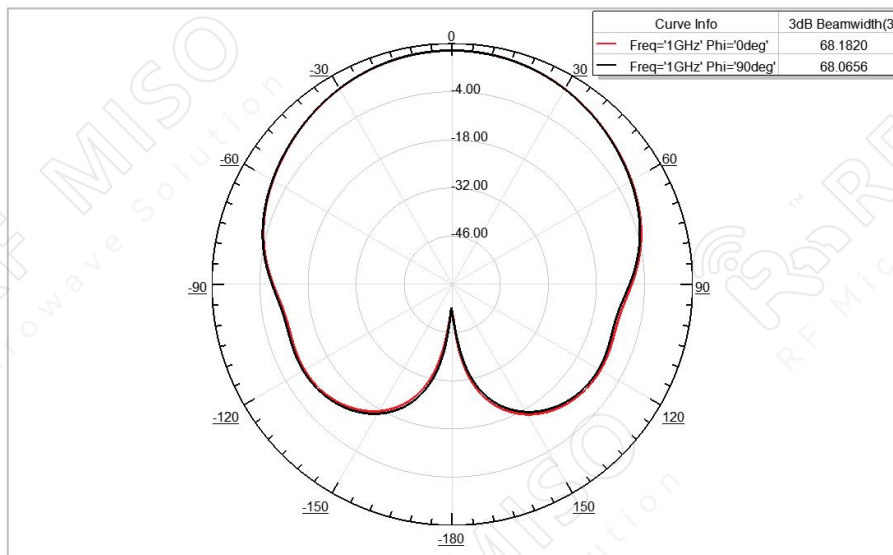
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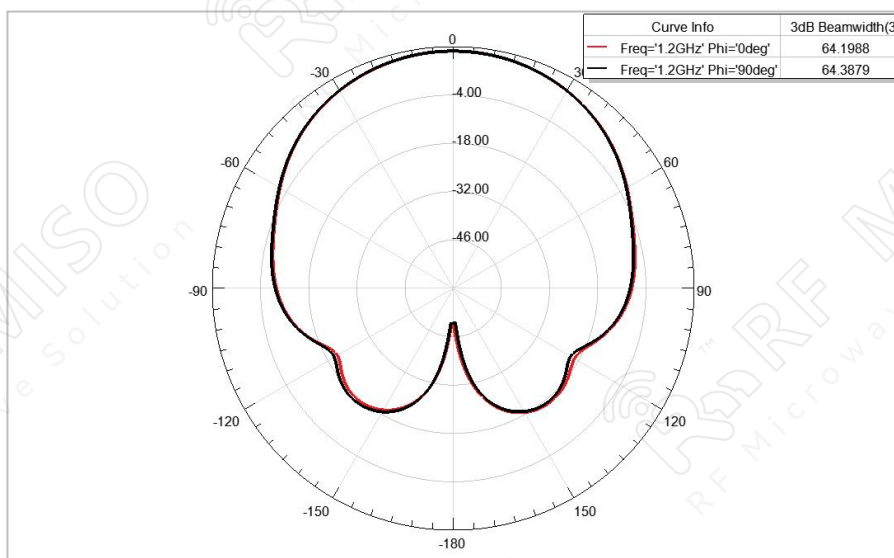
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Gain Patterns



1 GHz



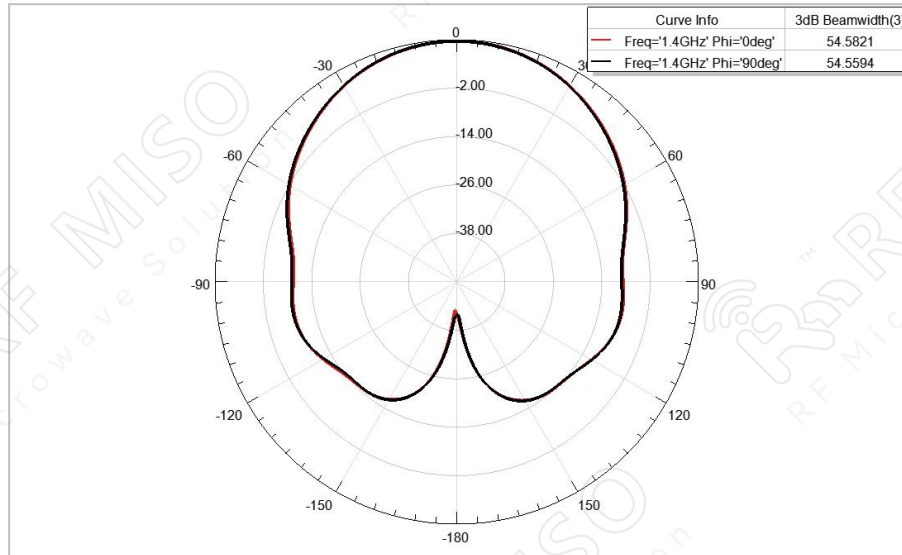
1.2 GHz

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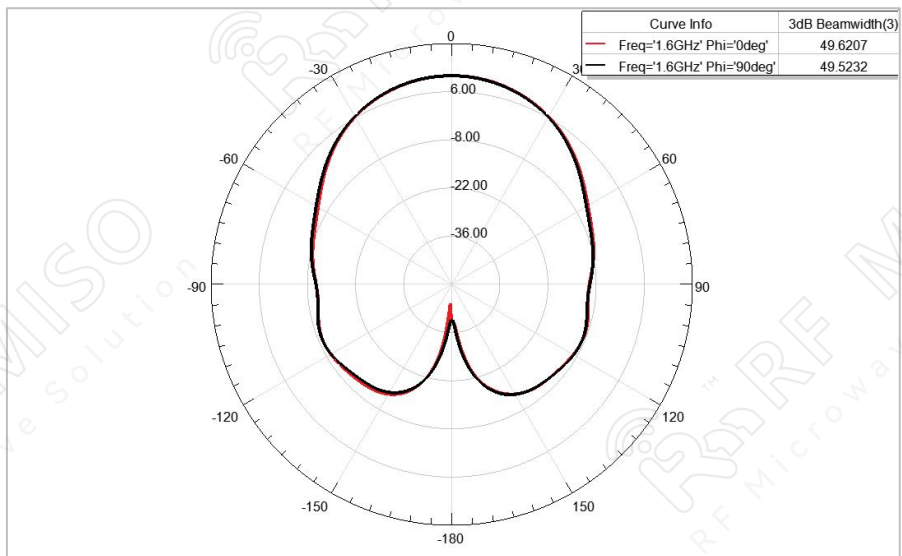


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1.4 GHz



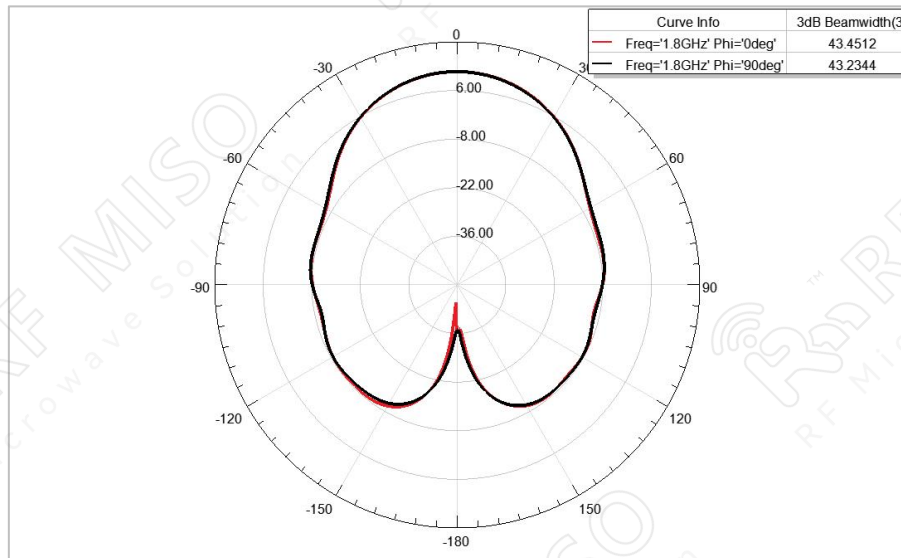
1.6 GHz

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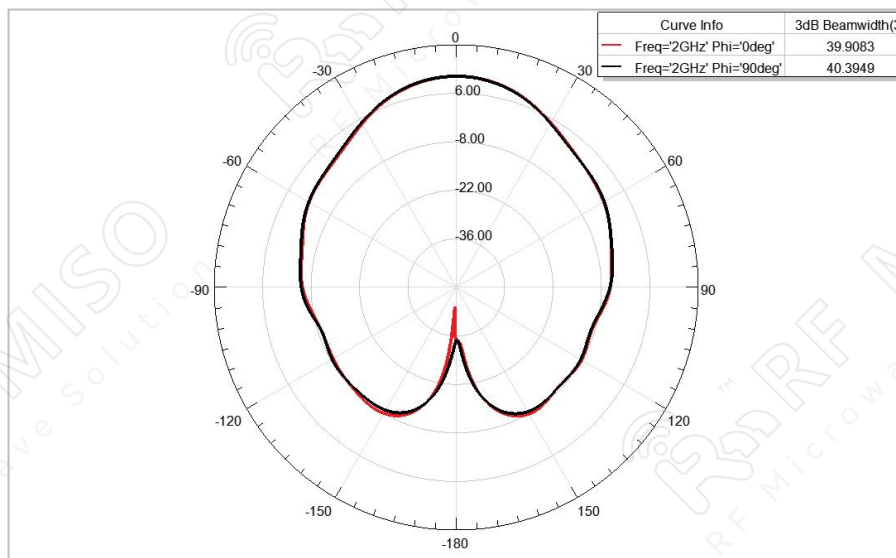


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1.8 GHz



2 GHz