

*Broadband Dual Horn Antenna
 12 dBi Typ. Gain, 1-12GHz Frequency Range*

Broadband Horn Antenna Data Sheet

RM-BDPHA112-12

Features

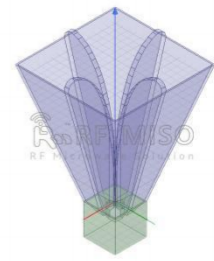
- Ideal for Antenna Measurements
- Dual Polarization
- Broadband Operation
- Quad Ridged

Description

The **RM-BDPHA112-12** is a dual polarized broadband horn antenna that operates in the frequency range of 1 GHz to 12 GHz. The antenna offers a typical gain of 12dBi and low VSWR 1.3:1 with SMA-F connector. The antenna supports dual polarized waveforms. It is suitable for extensive applications such as EMC/EMI testing, surveillance, direction finding, as well as antenna gain and pattern measurements.

Specifications

RM-BDPHA112-12		
Item	Specification	Units
Frequency Range	1-12	GHz
Gain	12 Typ.	dBi
VSWR	1.3:1	
Polarization	Dual	
Connector	SMA-Female	
Finishing	Paint	
Material	Al	dB
Average Power	50	W
Peak Power	100	W
Size(L*W*H)	228.2*161.8*167.6(±5)	mm
Weight	1.071	kg



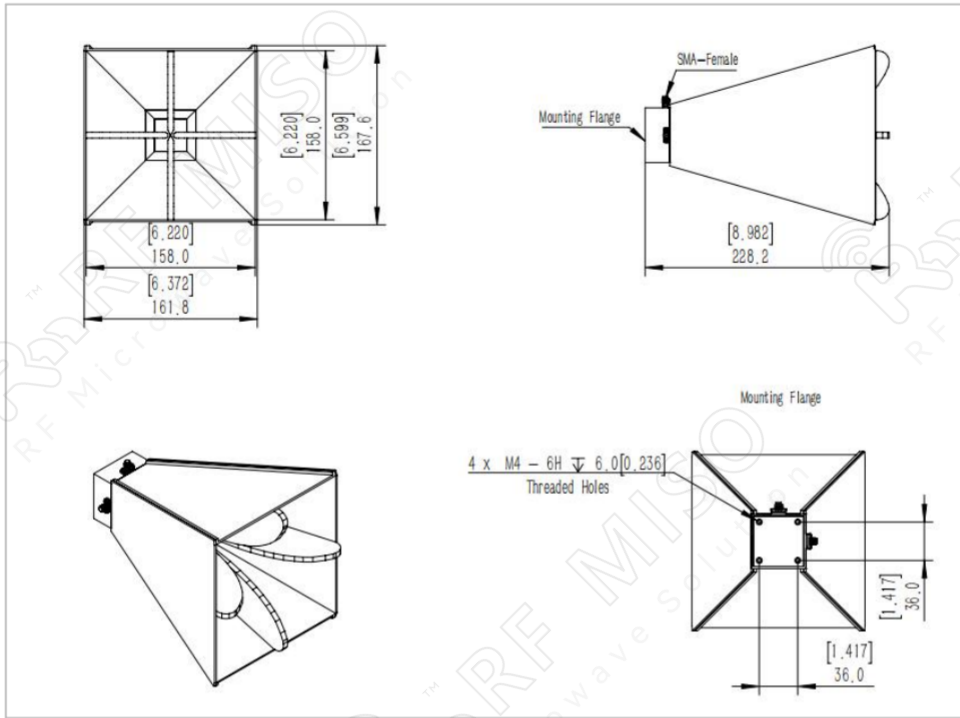
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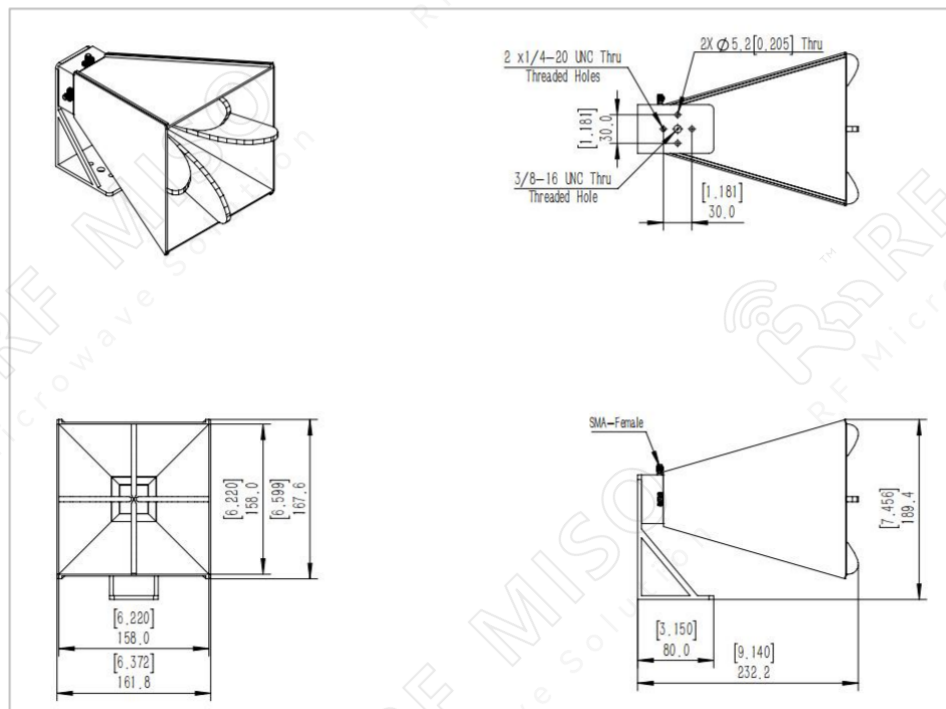
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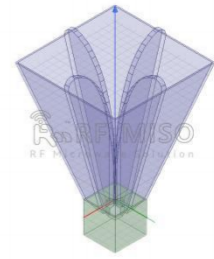
Mechanical Drawing

N-type connector is available, please contact RF Miso.



Mechanical Drawing with L-type Mounting Bracket (P/N: RM-BDPHA112-12L)





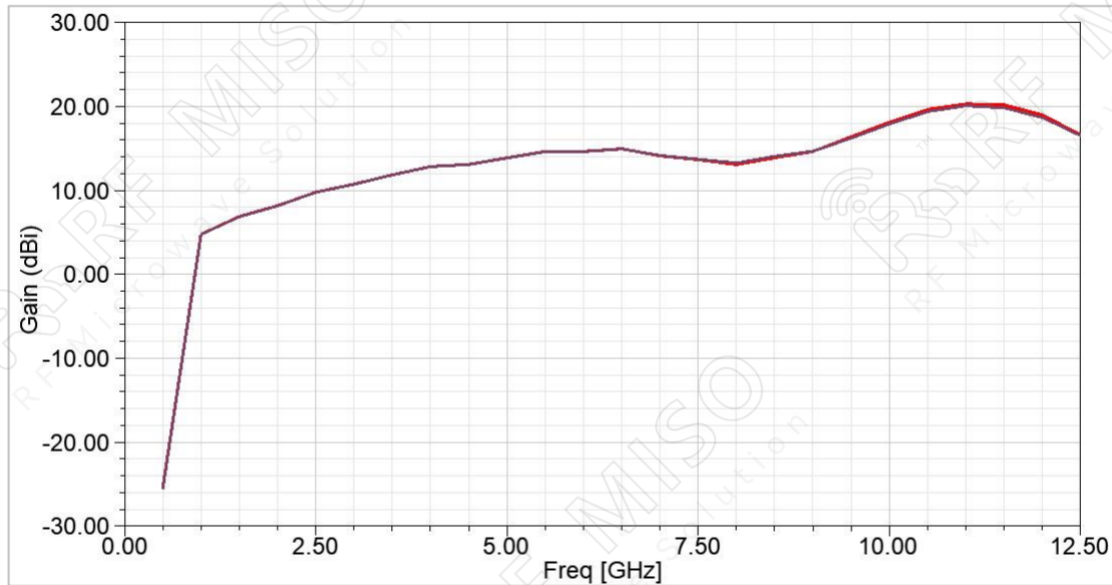
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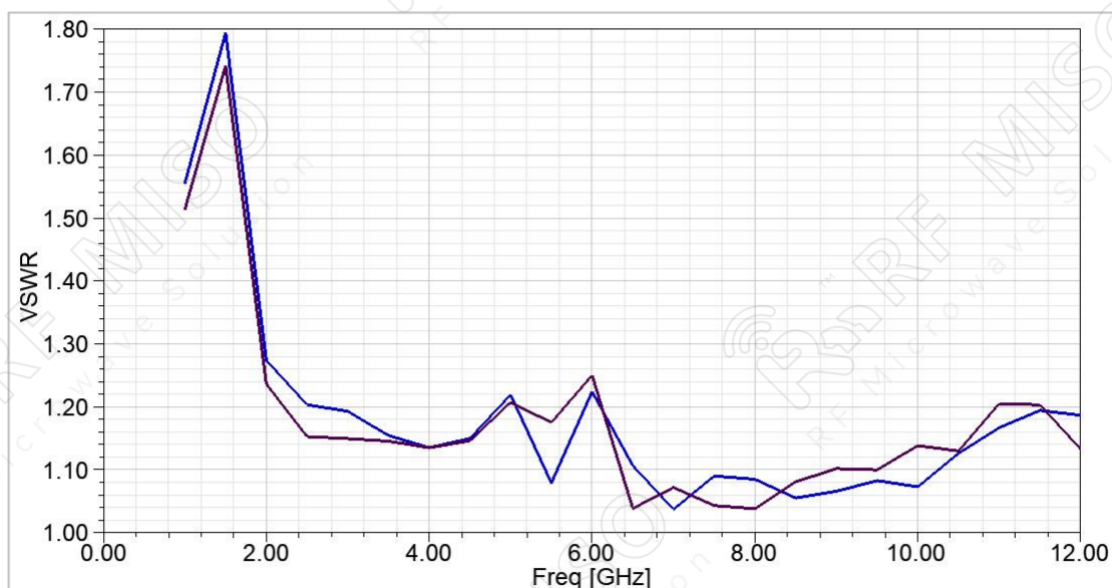
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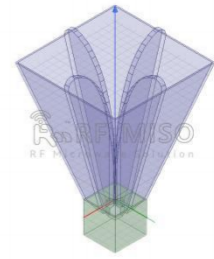
Simulation Results

Gain



VSWR



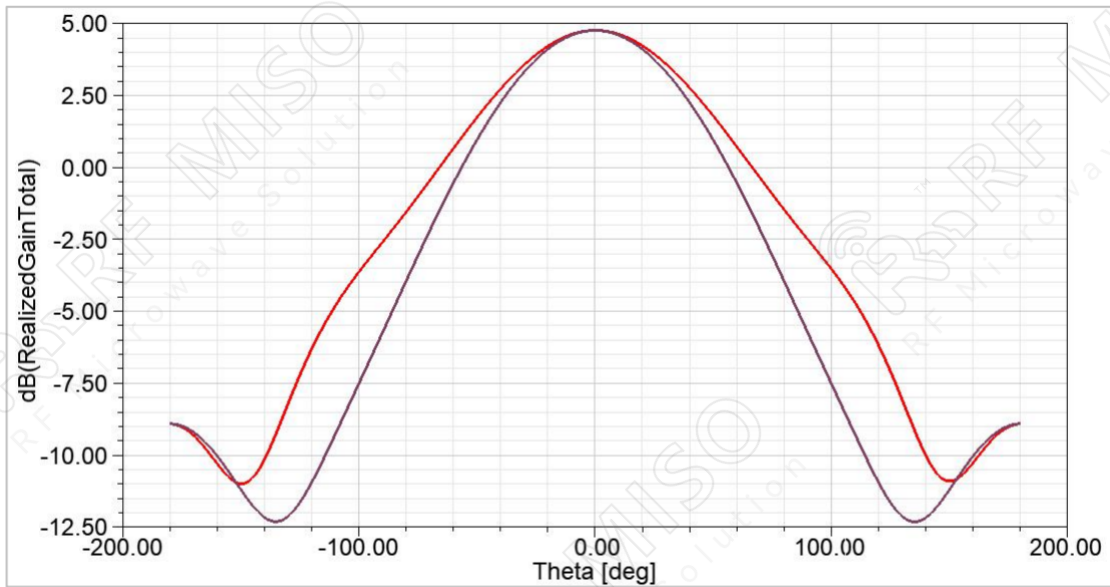


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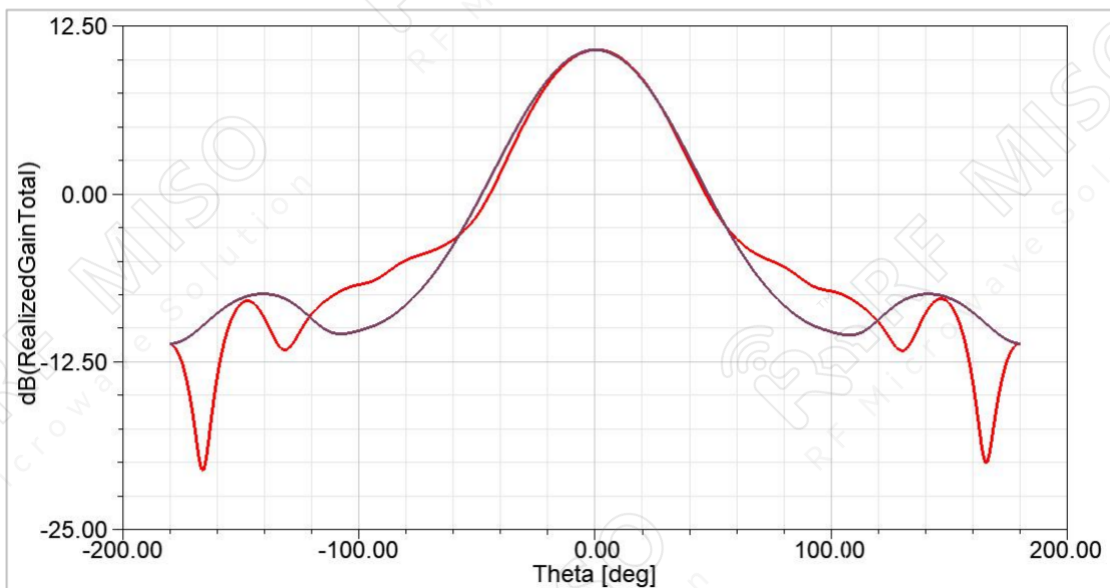
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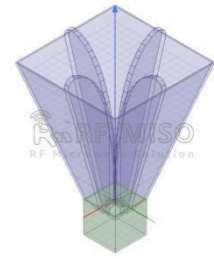
Gain Pattern



1 GHz



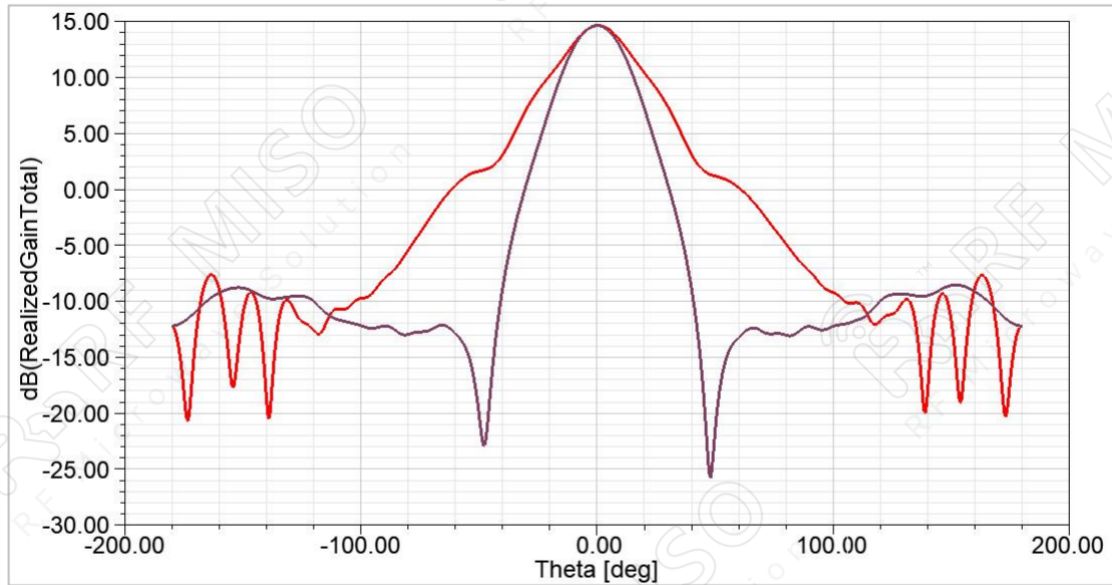
3 GHz



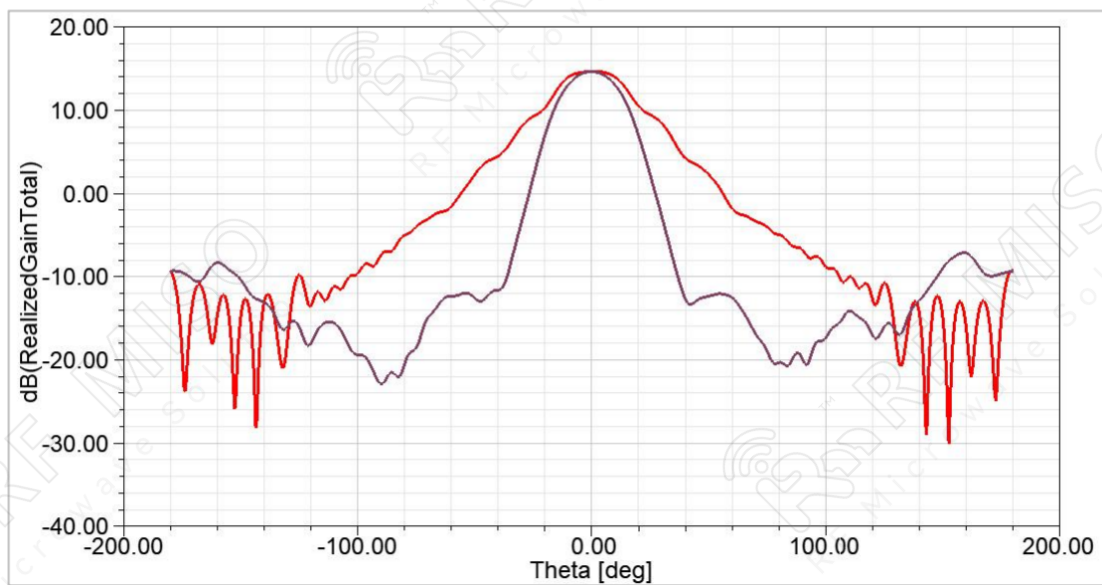
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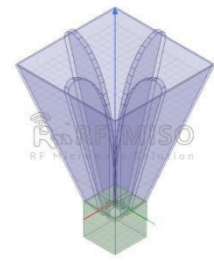
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6 GHz



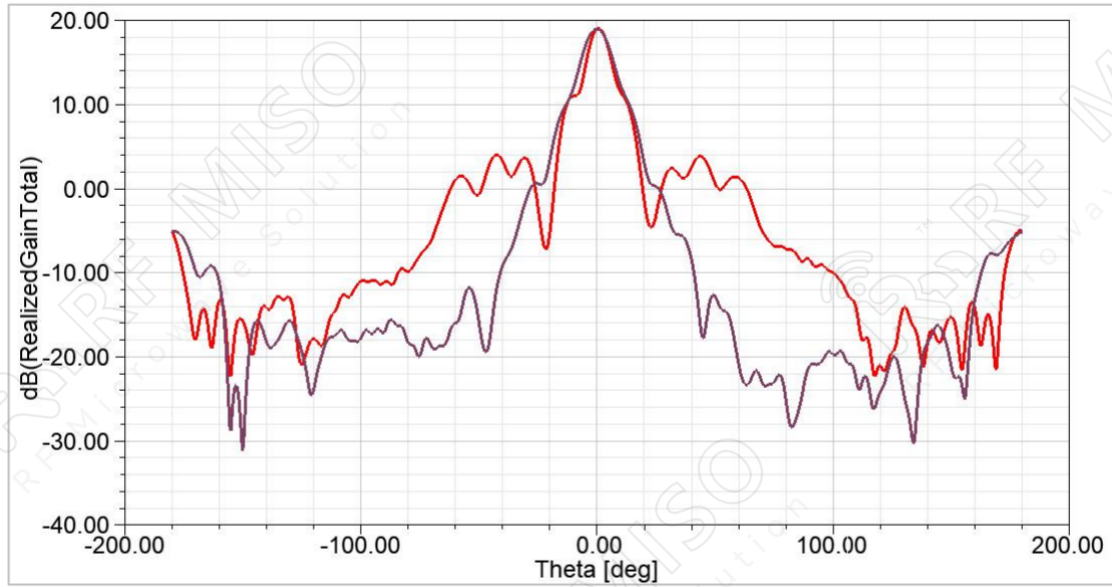
9 GHz



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12 GHz