

Broadband Dual Horn Antenna
10 dBi Typ. Gain, 1-10GHz Frequency Range

Broadband Horn Antenna Data Sheet

RM-BDPHA110-10

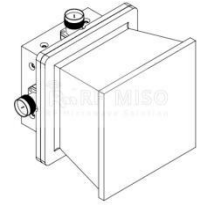
Description

The **RM-BDPHA110-10** is a dual polarized broadband horn antenna that operates in the frequency range of 1 GHz to 10 GHz. The antenna offers a typical gain of 10dBi and low VSWR 1.5:1 with N-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-BDPHA110-10			
Item	Specification		Units
Frequency Range	1-10		GHz
Gain	10 Typ.		dBi
VSWR	1.5:1		
Polarization	Dual		
Port Isolation	40 Typ.		dB
3dB Beamwidth,E-Plane	47.7~145.8		deg
3dB Beamwidth,H-Plane	29.1~198.7		deg
Connector	N-Female		
Finishing	Paint		
Material	Al		dB
Power Handling	CW:300	Peak:500	W
Size(L*W*H)	114*114*109		mm
Weight	0.953		kg

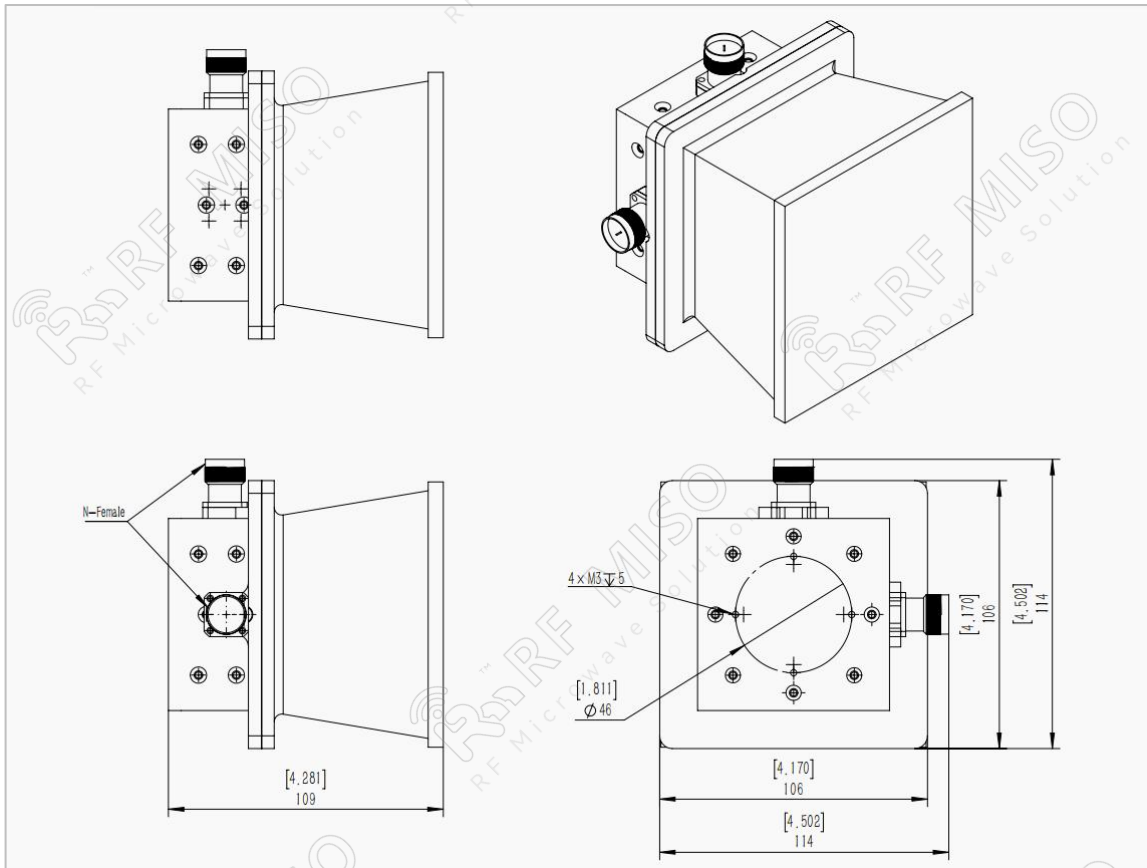
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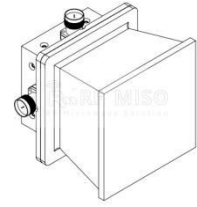


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Mechanical Drawing





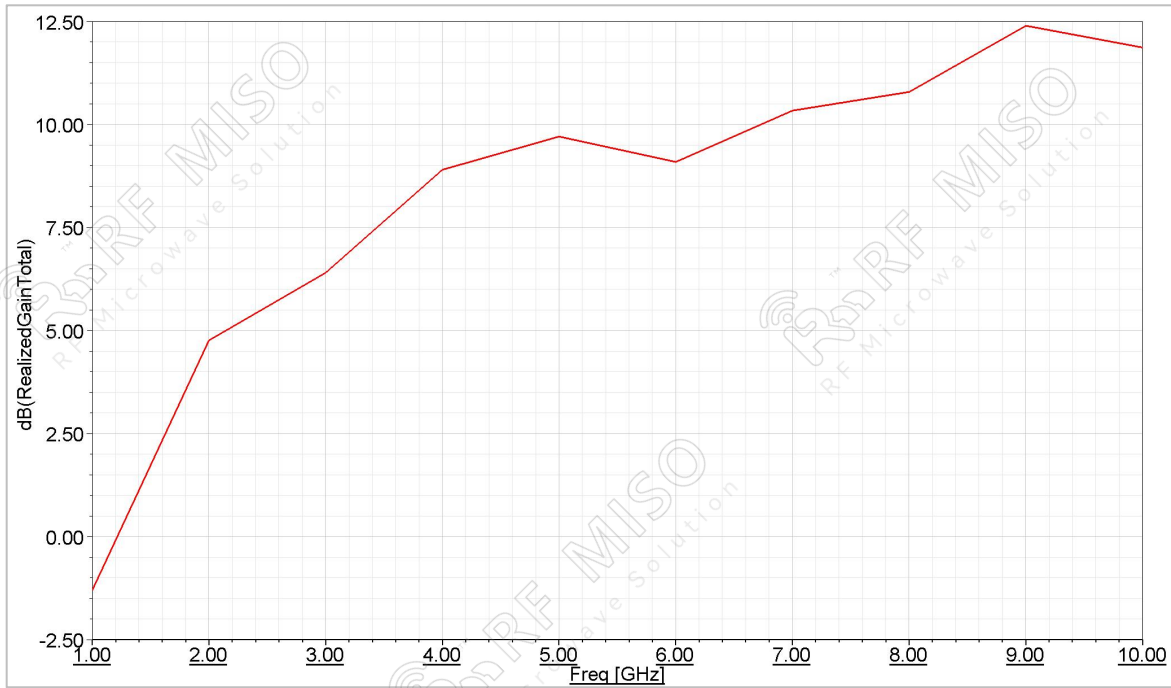
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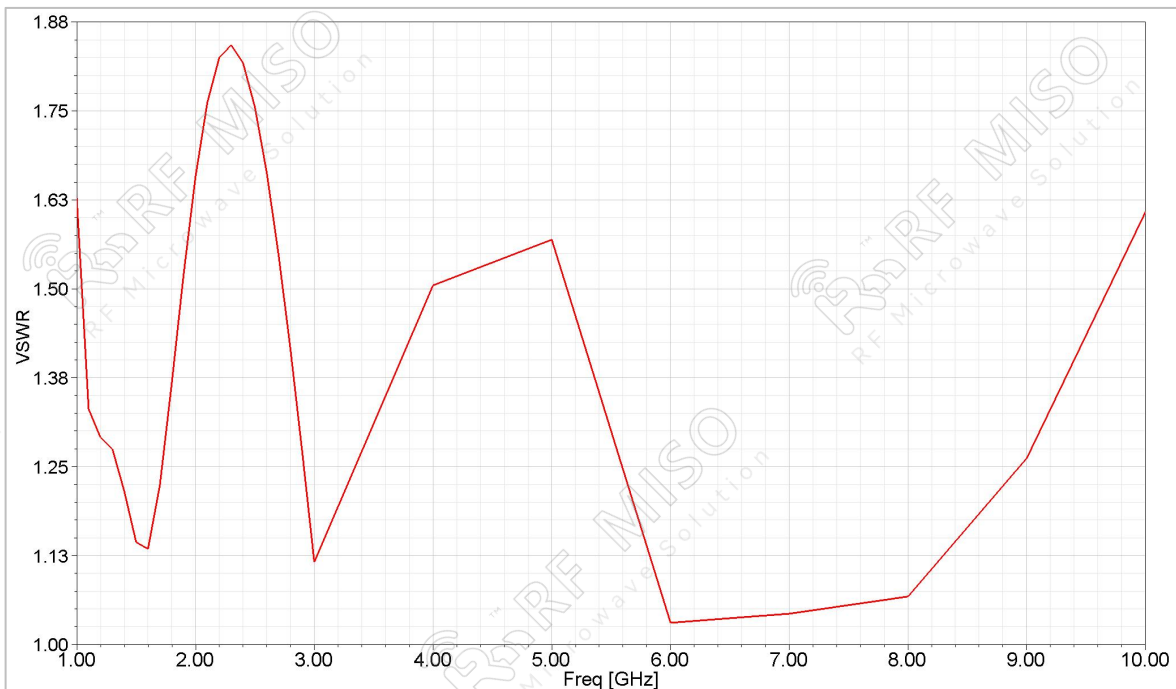
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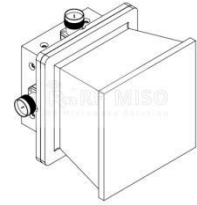
Simulation Results

Gain



VSWR



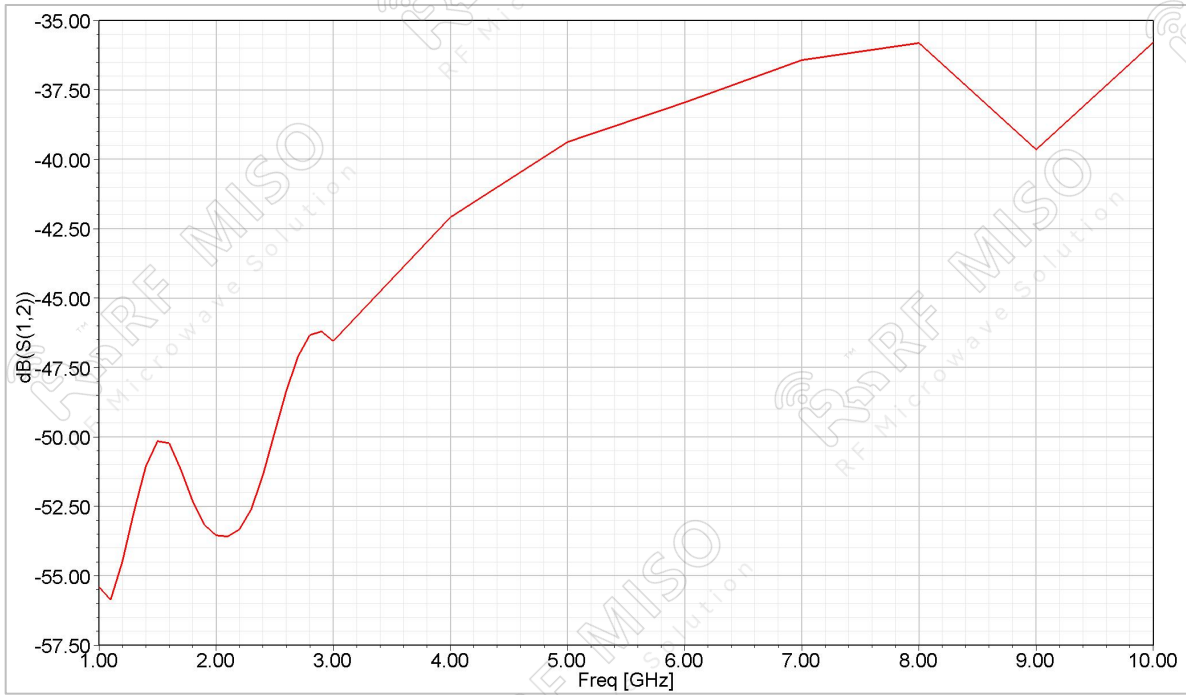


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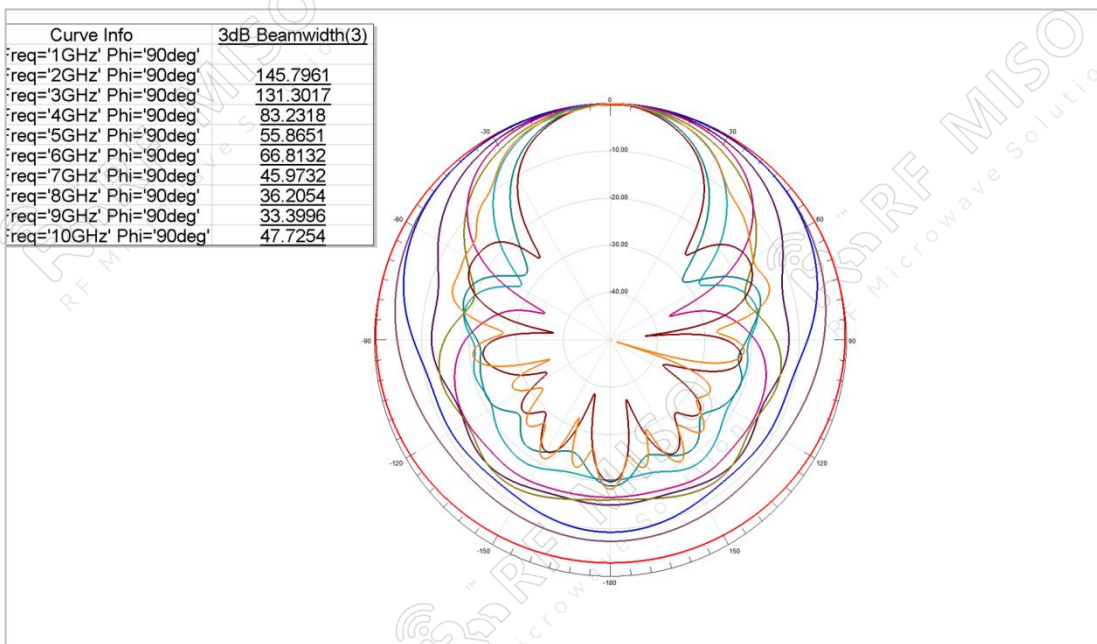
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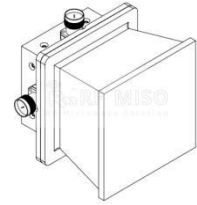
Port Isolation



Pattern

E-Plane





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H-Plane

