

Log Periodic Antenna 6dBi Typ. Gain, 0.5-3GHz
Frequency Range

Log Periodic Antenna Data Sheet

RM-LPA053-6

Features

- Foldable
- Low VSWR
- Light Weight
- Rugged Construction
- Ideal for EMC testing

Descriptions

RF MISO's **Model RM-LPA053-6** is log periodic antenna that operates from 0.5 to 3 GHz, The antenna offers 6dBi typical gain. The antenna VSWR is less than 1.5:1. The antenna RF ports are N-Female connector. The antenna can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

Specifications

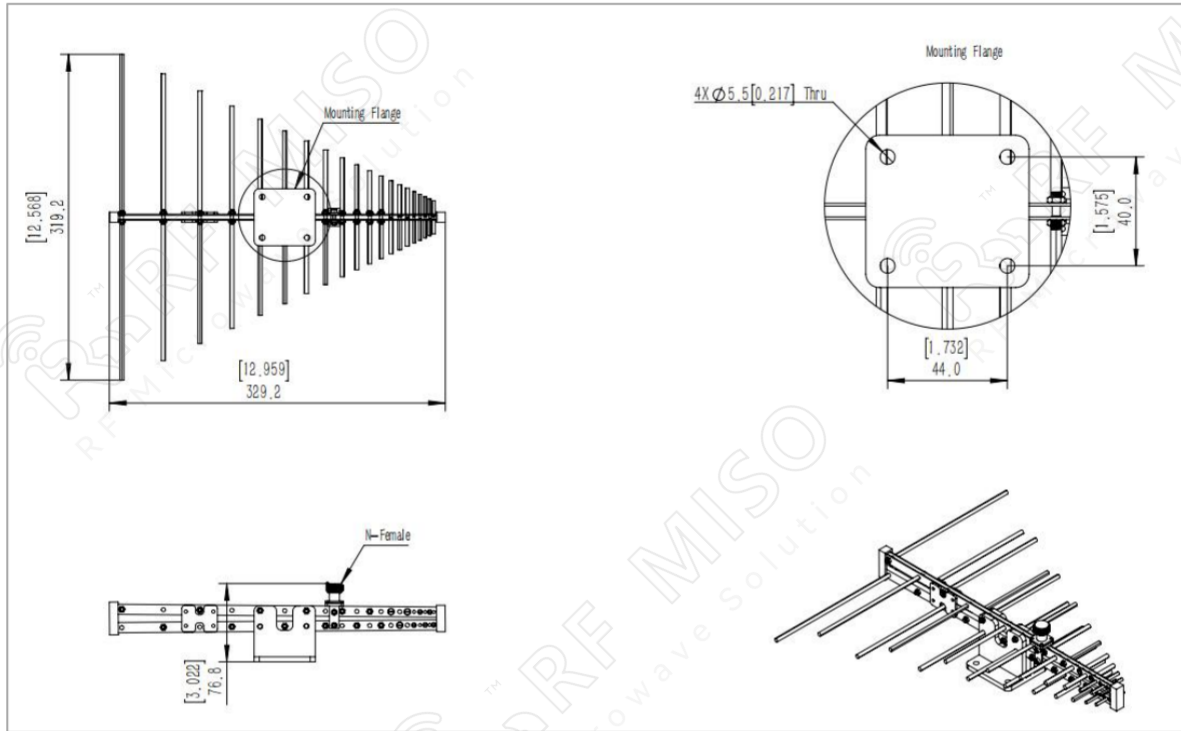
RM-LPA053-6		
Parameters	Specifications	Units
Frequency Range	0.5-3	GHz
Gain	6 Typ.	dBi
VSWR	1.5 Typ.	
Polarization	Linear-polarized	
Connector	N-Female	
Size (L*W*H)	329.2*319.2*76.8(±5)	mm
Weight	0.272	kg

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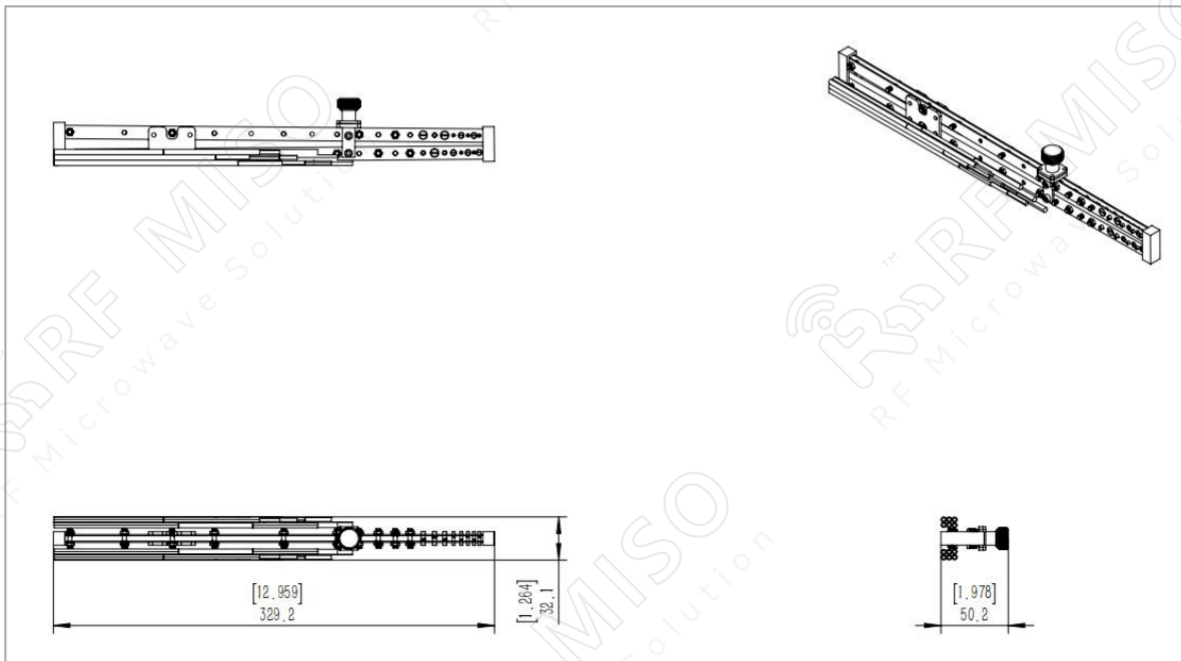
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Outline Drawing



Outline Drawing_After Folding



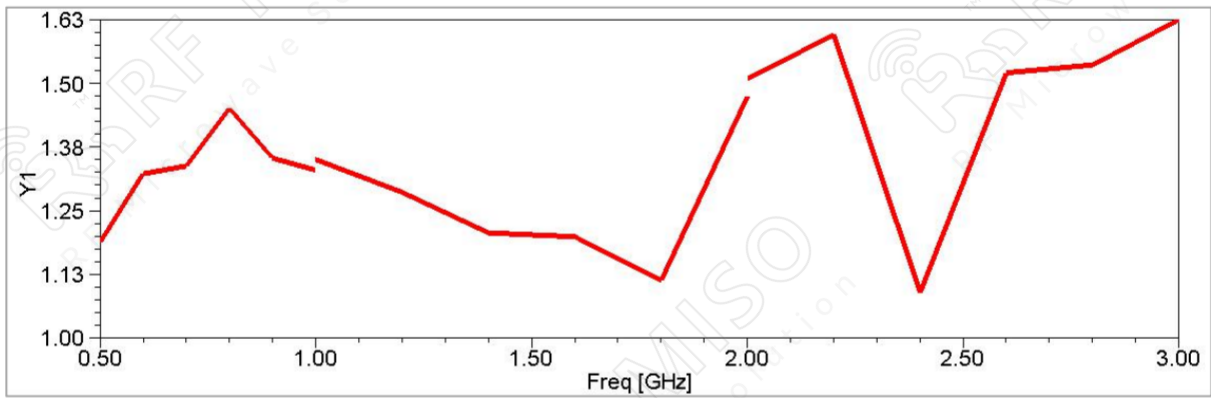
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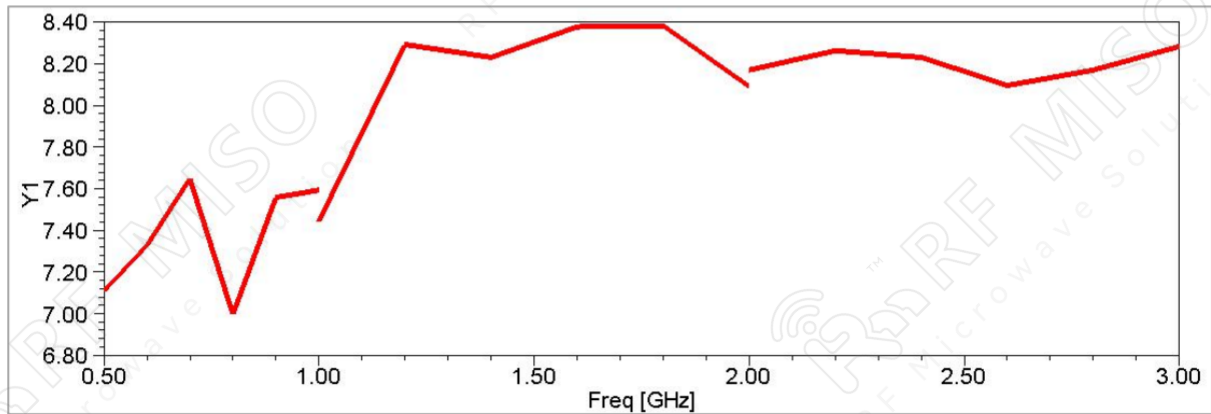
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Simulation results:

VSWR



Gain

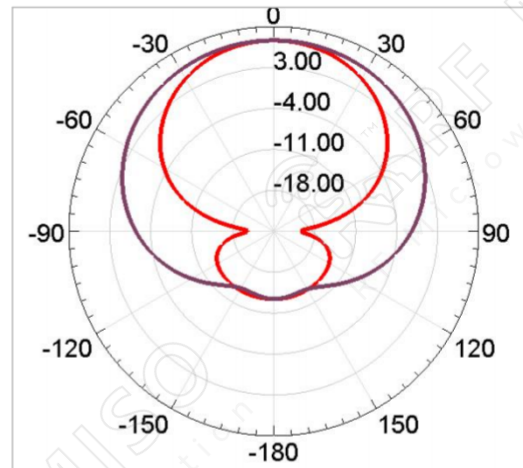
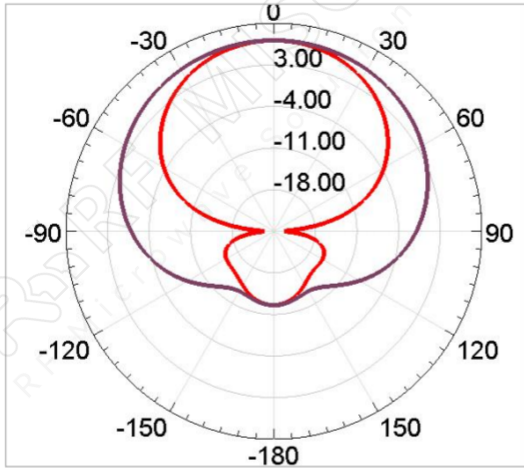


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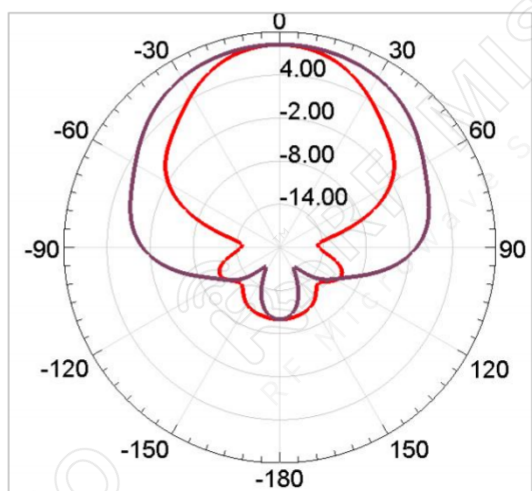
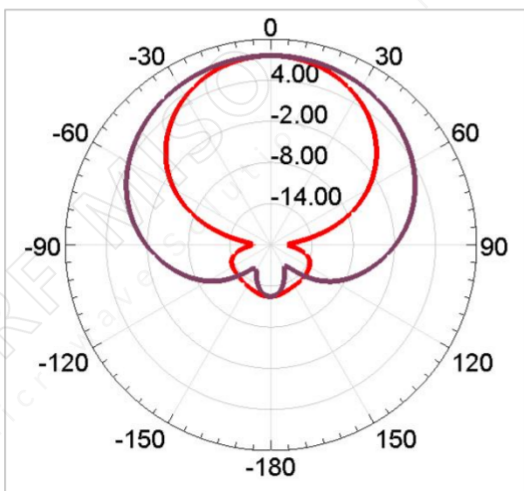
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Gain Pattern



Frequency Range		0.5GHz	0.7GHz
3db beam width (deg)	E-Plane	66.13	64.96
	H-Plane	115.95	110.36

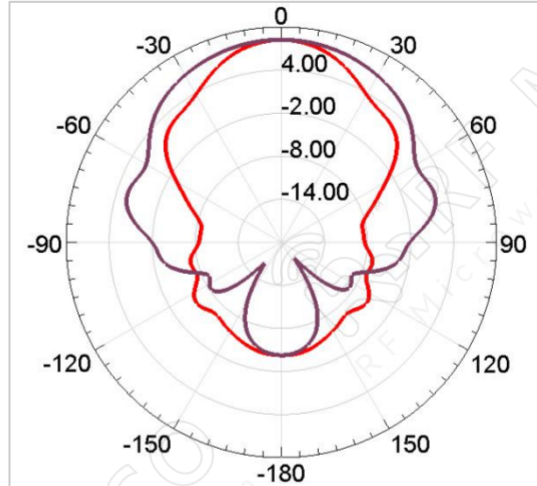
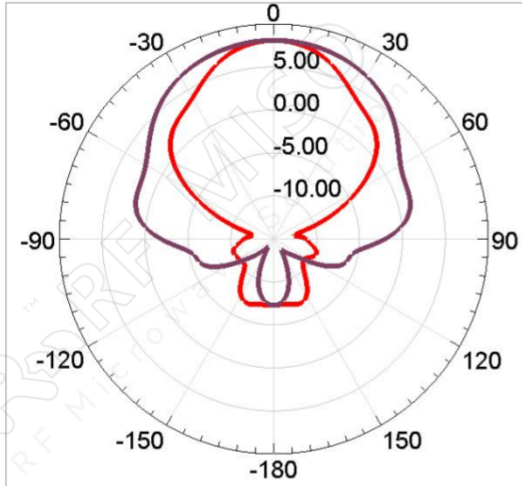


Frequency Range		1GHz	1.4GHz
3db beam width (deg)	E-Plane	63.91	53.37
	H-Plane	109.24	93.85

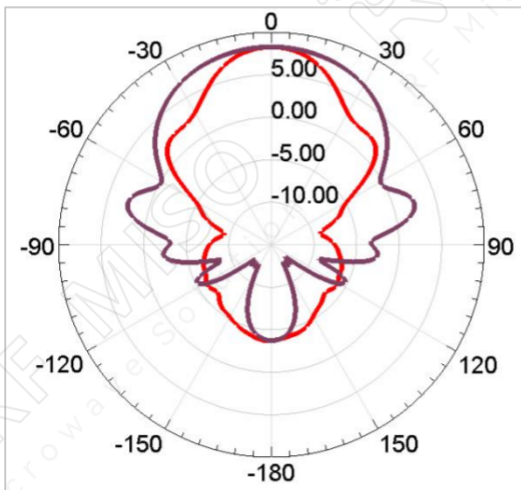
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Frequency Range		2GHz	2.4GHz
3db beam width (deg)	E-Plane	48.65	46.71
	H-Plane	85.54	86.58



Frequency Range		3GHz
3db beam width (deg)	E-Plane	41.71
	H-Plane	78.41