

*Planar Spiral Antenna*  
 3 dBi Typ. Gain, 1-4 GHz Frequency Range

## Planar Spiral Antenna Data Sheet

## RM-PSA14-3R

### Features

- Ideal for airborne or ground applications
- Low VSWR
- R-H Circular Polarization
- With Radome

### Descriptions

RF MISO's **Model RM-PSA14-3R** is a RHCP planar spiral antenna that operates from 1-4GHz. The antenna offers a gain 3 dBi Typ. and low VSWR 1.5 Typ. with N-Female connector. It designed for EMC, reconnaissance, orientation, remote sensing, and flush mounted vehicle applications. These spiral antennas can be used as separate antenna components or as feeders for reflector satellite antennas.

### Specifications

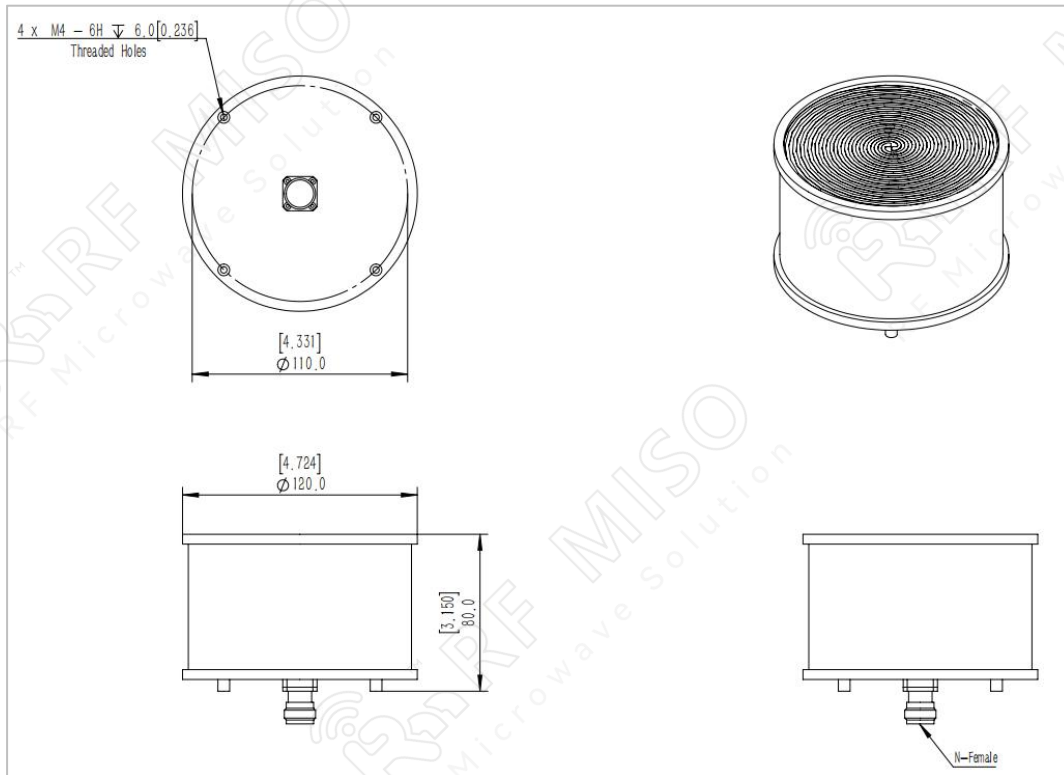
Parameters	Typical	Units
Frequency Range	1-4	GHz
Gain	3 Typ.	dBi
VSWR	1.5 Typ.	
AR	2 Typ.	dB
3dB Beamwidth, E-Plane	69.48~95.87	°
3dB Beamwidth, H-Plane	66.70~97.14	°
XPD	35	dB
Polarization	R-H Circular Polarization	
Connector	N-Female	
Material	Al	
Finishing	Paint Black	
Size(L*W*H)	Ø120.0*80.0(±5)	mm
Weight	0.244	kg
Power Handling	CW:10      Peak:300	W
Antenna Cover	Yes	
Waterproof	Yes	

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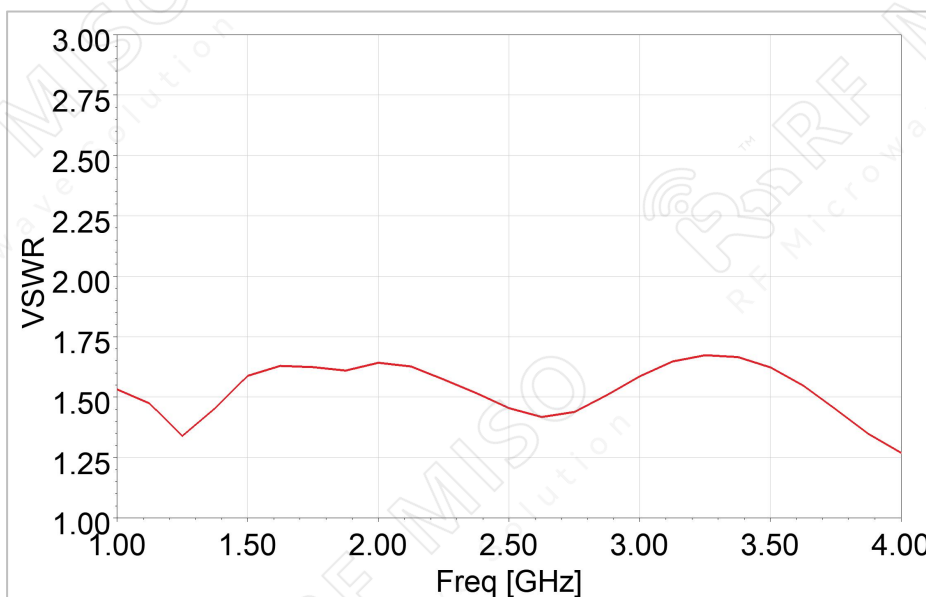
**RM-PSA14-3R**

**Outline Drawing**



**Simulation Data**

**VSWR**

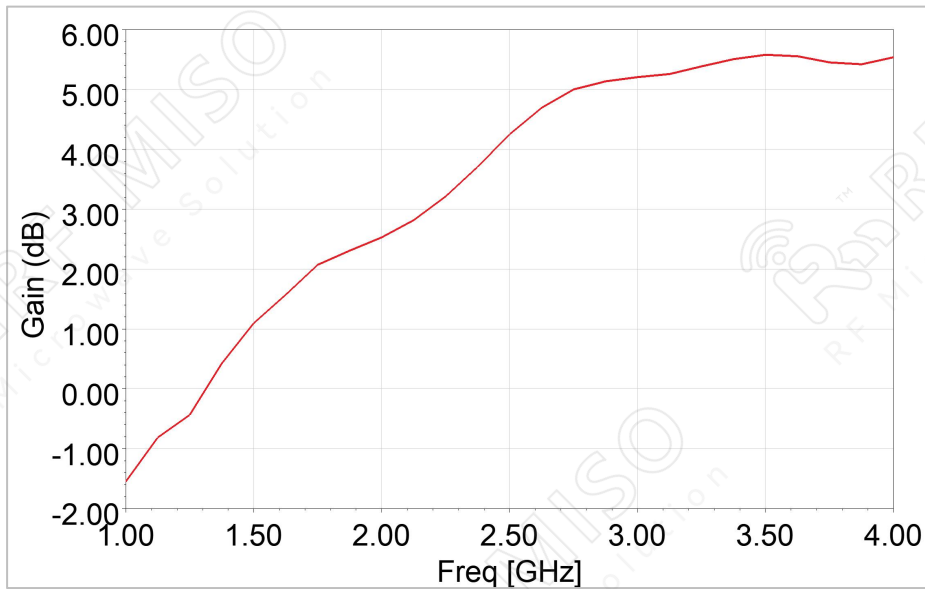


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**Gain**



**AR**

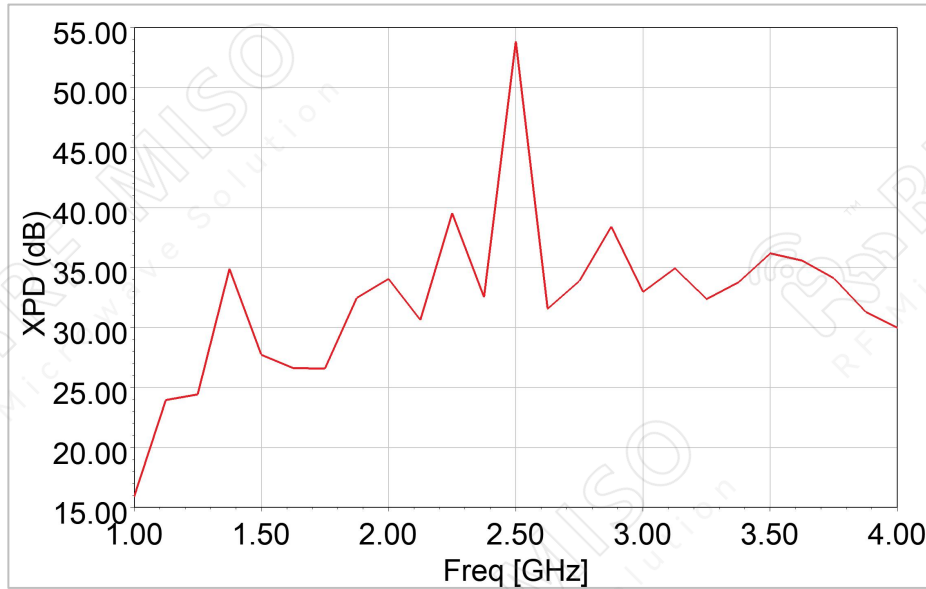


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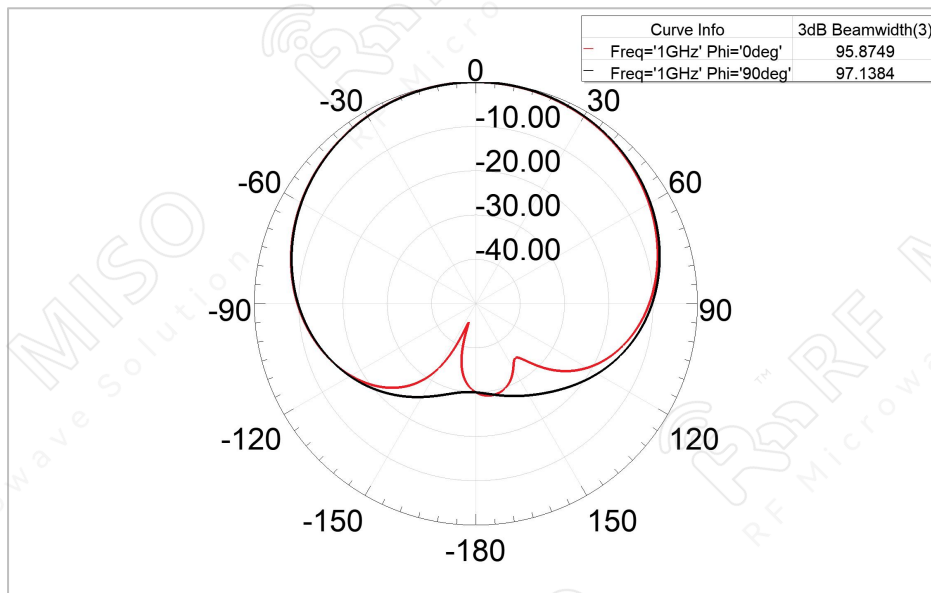
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XPD



Gain Pattern

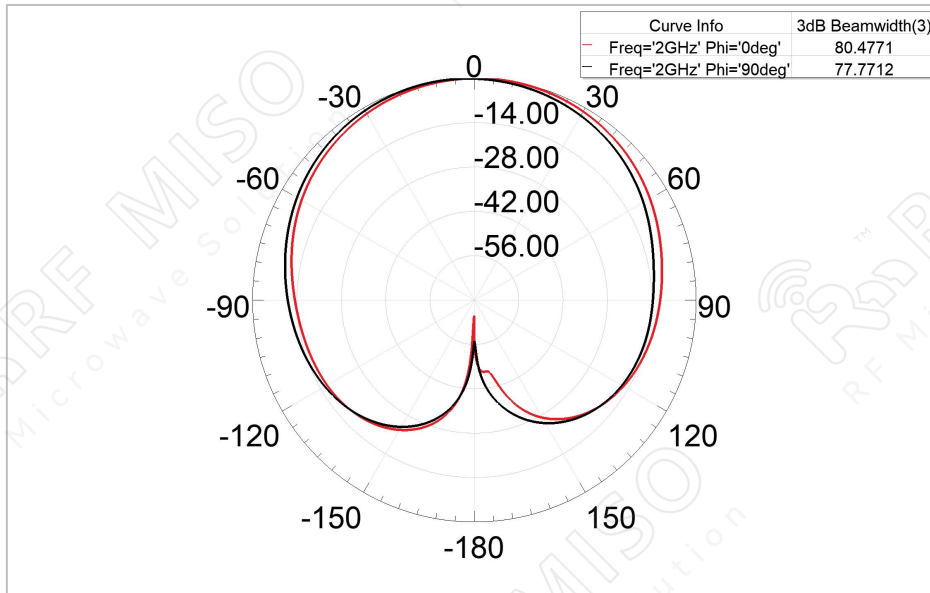


1GHz

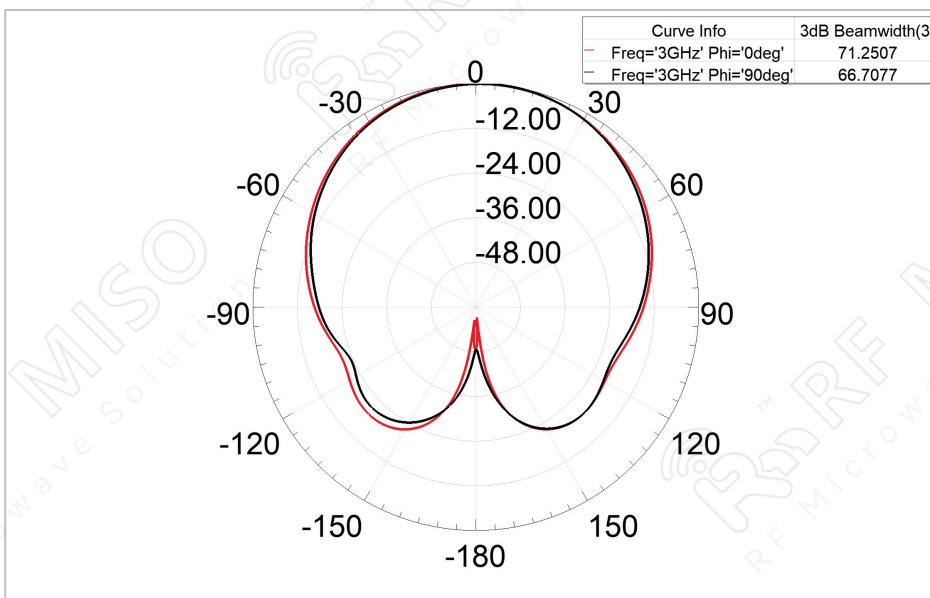
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**2GHz**

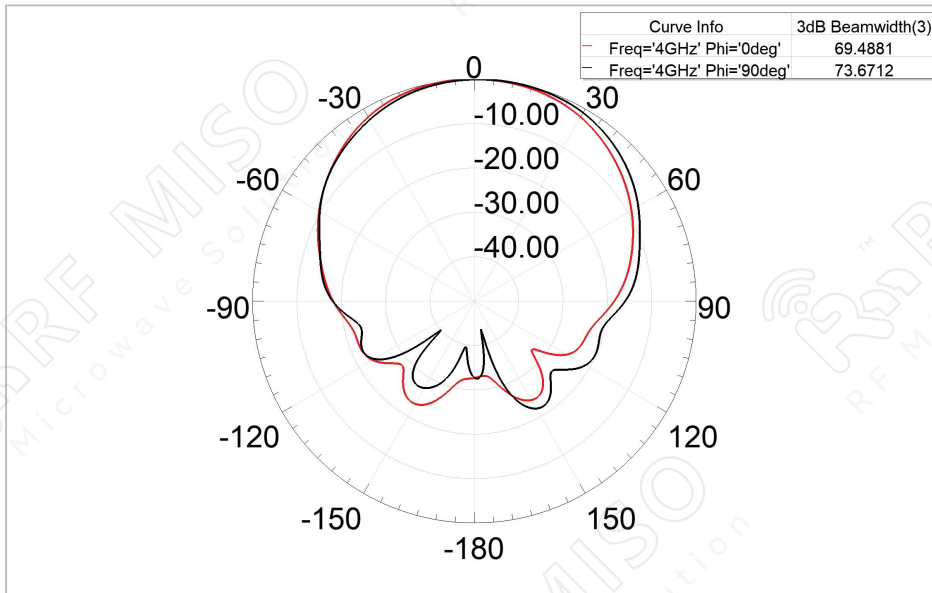


**3GHz**

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**4GHz**