

Planar Spiral Antenna
3 dBi Typ. Gain, 1-18 GHz Frequency Range

Planar Spiral Antenna Data Sheet

RM-PSA118-3L

Features

- Wide Coverage Frequency
- Small Size
- L-H Circular Polarization
- RF Connector

Descriptions

RF MISO's **Model RM-PSA118-3L** is a LHCP planar spiral antenna that operates from 1-18GHz. The antenna offers a gain from 2 to 6 dBi. and low VSWR 1.5 Typ. with SMA-Female connector. This spiral antennas can be used in Unmanned aerial vehicles (UAVs), aerospace, electronic warfare, and test and measurement fields.

Specifications

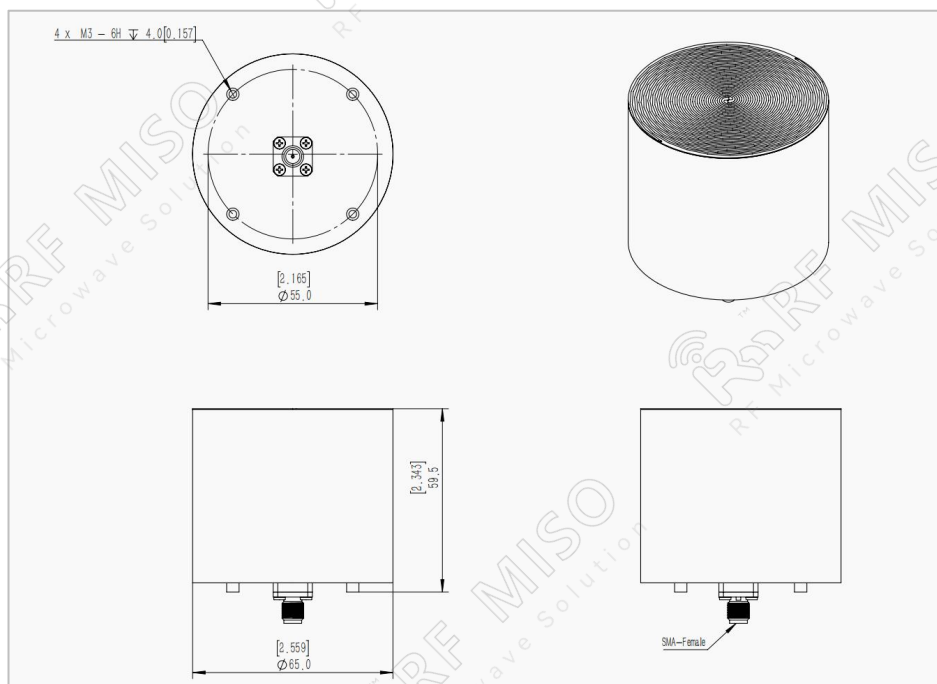
Parameters	Typical		Unit
Frequency Range	1-18		GHz
Gain	0-6 Typ.		dBi
VSWR	1.5 Typ.		
AR	0.45 Typ.		dB
Polarization	L-H Circular Polarization		
3 dB Beam width	58° ~ 102°		
Connector	SMA-Female		
Material	Al		
Finishing	Paint Black		
Size(L*W*H)	Ø65*59.5(±5)		mm
Weight	80		g
Power Handling	CW:5	Peak:100	W
Antenna Cover	Yes		
Waterproof	Yes		

Planar Spiral Antenna
3 dBi Typ. Gain, 1-18 GHz Frequency Range

Planar Spiral Antenna Data Sheet

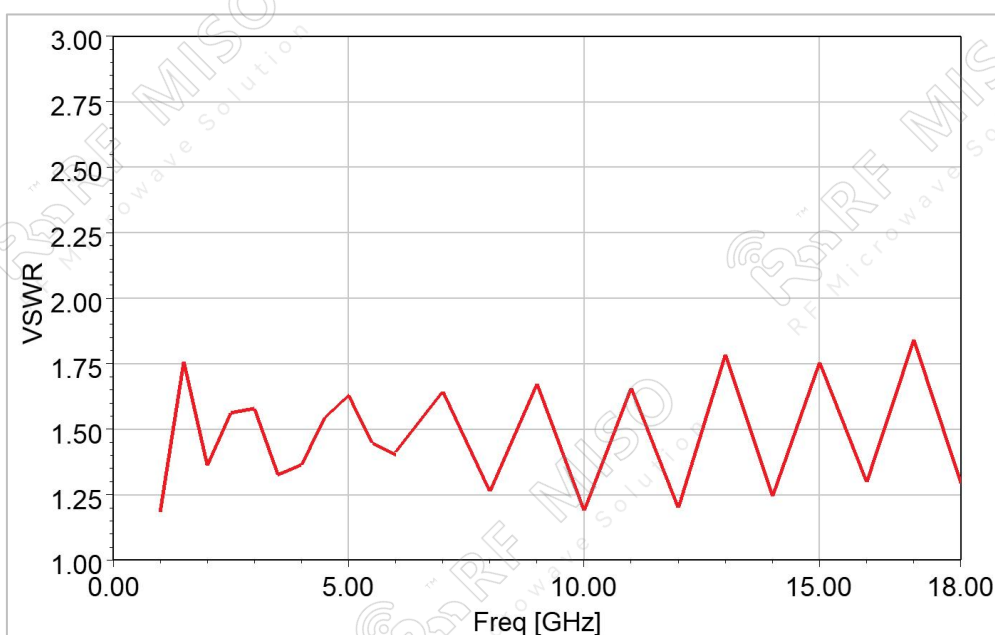
RM-PSA118-3L

Outline Drawing



Simulation Data

VSWR

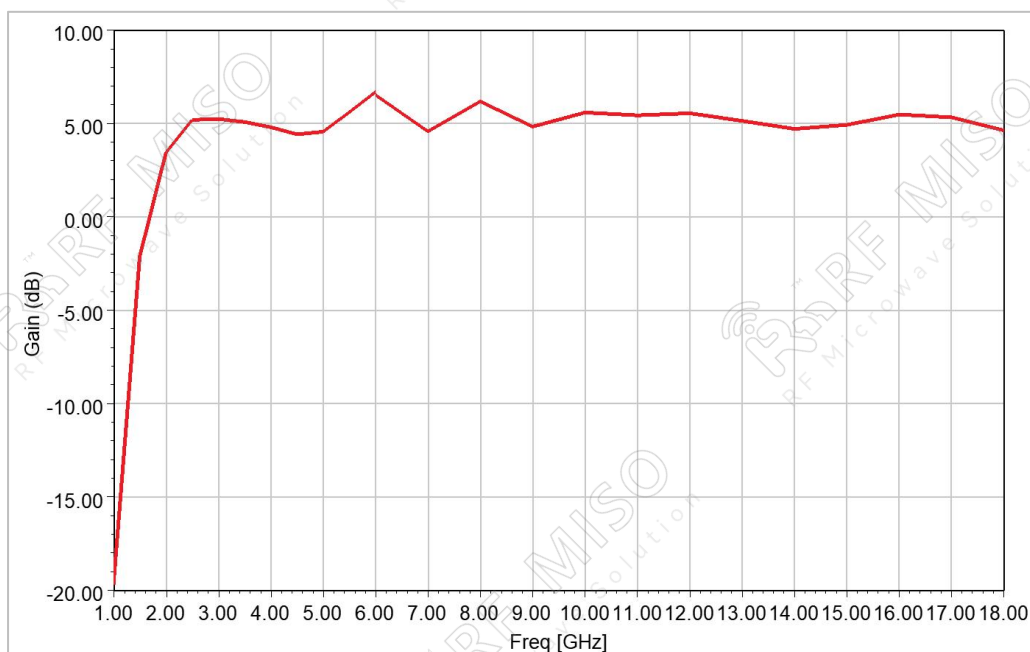


Planar Spiral Antenna
3 dBi Typ. Gain, 1-18 GHz Frequency Range

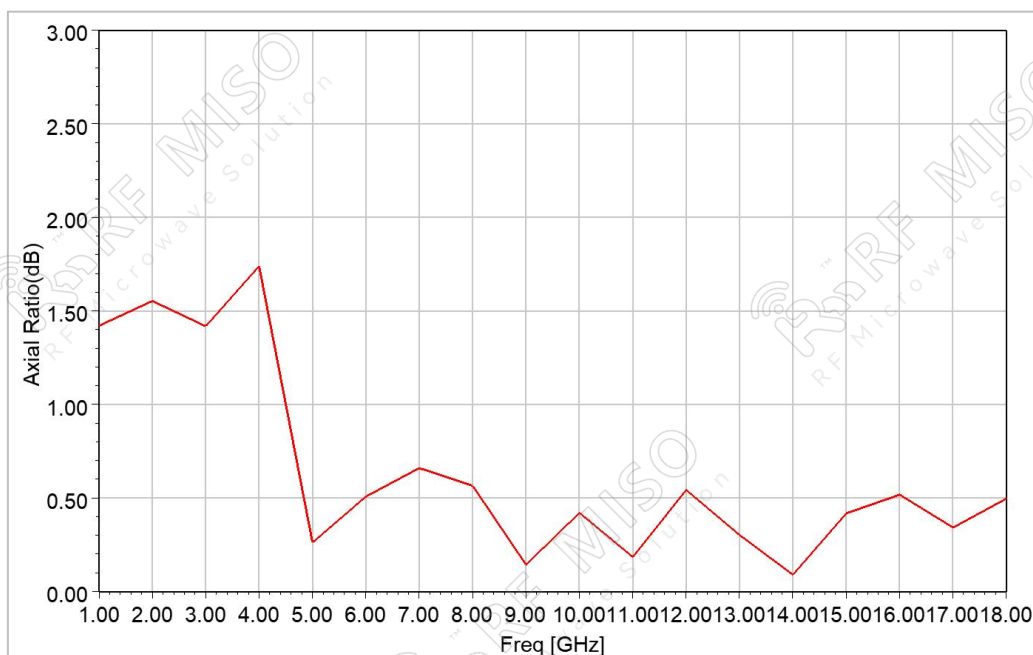
Planar Spiral Antenna Data Sheet

RM-PSA118-3L

Gain



AR



Planar Spiral Antenna
3 dBi Typ. Gain, 1-18 GHz Frequency Range

Planar Spiral Antenna Data Sheet

RM-PSA118-3L

Pattern

