

*Dual-Polarized Log Periodic Antenna 7dBi Typ. Gain,
0.2-2GHz Frequency Range*

Dual-Polarized Log Periodic Antenna Data Sheet

RM-DLPA022-7

Descriptions

RF MISO's **Model RM-DLPA022-7** is dual-Polarized log periodic antenna that operates from 0.2 to 2 GHz, The antenna offers 7dBi typical gain. The antenna VSWR is 2 Typ. 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

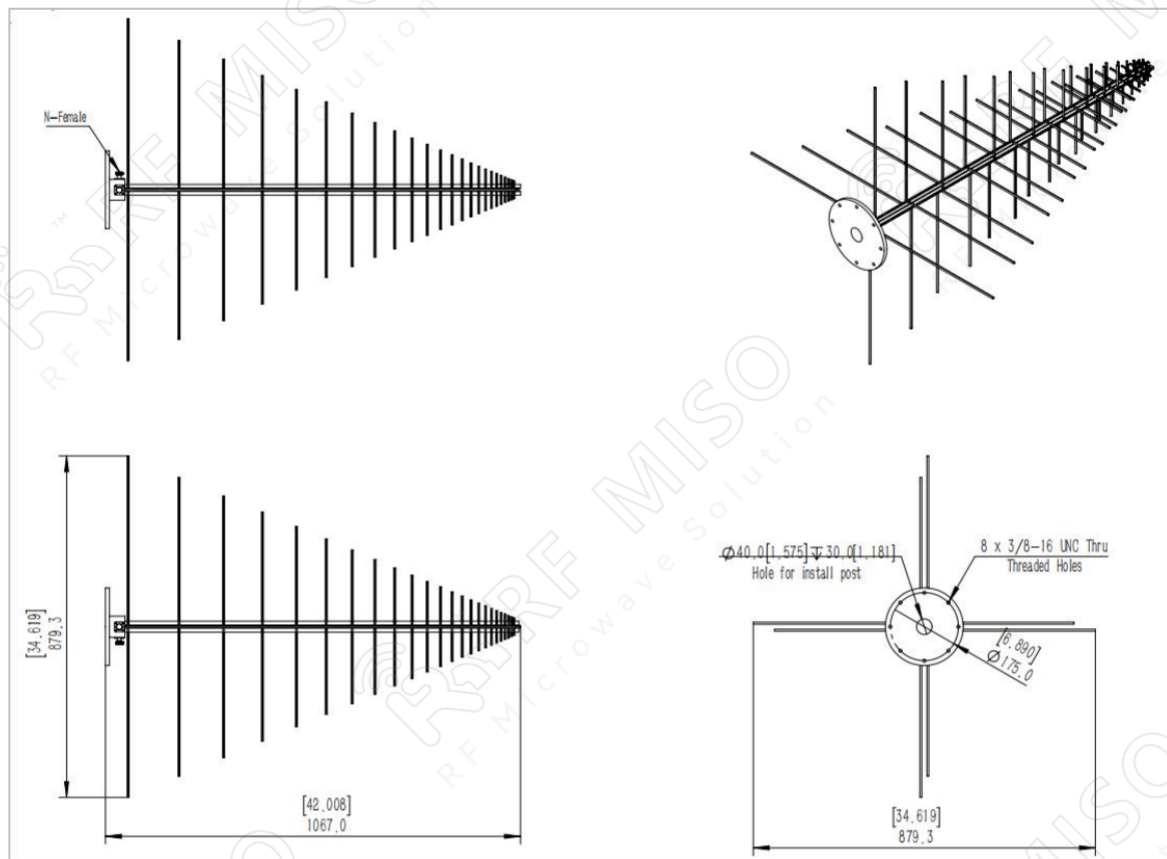
RM-DLPA022-7		
Parameters	Specifications	Units
Frequency Range	0.2-2	GHz
Gain	7 Typ.	dBi
VSWR	2 Typ.	
Polarization	Dual Linear-polarized	
Port Isolation	38 Typ.	dB
Cross-polar Isolation	40 Typ.	dB
Connector	N-Female	
Size (L*W*H)	1067*879.3*879.3(±5)	mm
Weight	2.014	kg
Power Handling, Average	300	W
Power Handling, Peak	500	W

*Dual-Polarized Log Periodic Antenna 7dBi Typ. Gain,
0.2-2GHz Frequency Range*

Dual-Polarized Log Periodic Antenna Data Sheet

RM-DLPA022-7

Outline Drawing



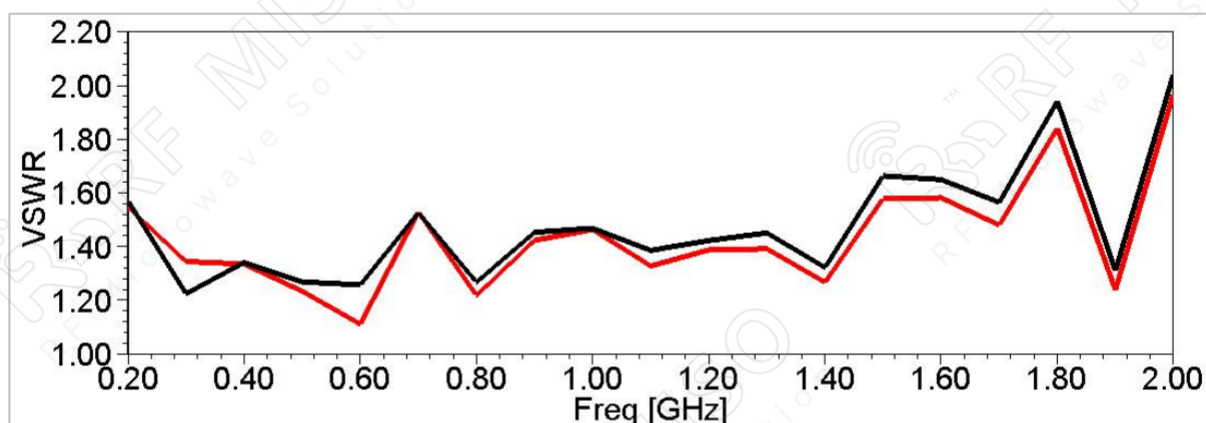
*Dual-Polarized Log Periodic Antenna 7dBi Typ. Gain,
0.2-2GHz Frequency Range*

Dual-Polarized Log Periodic Antenna Data Sheet

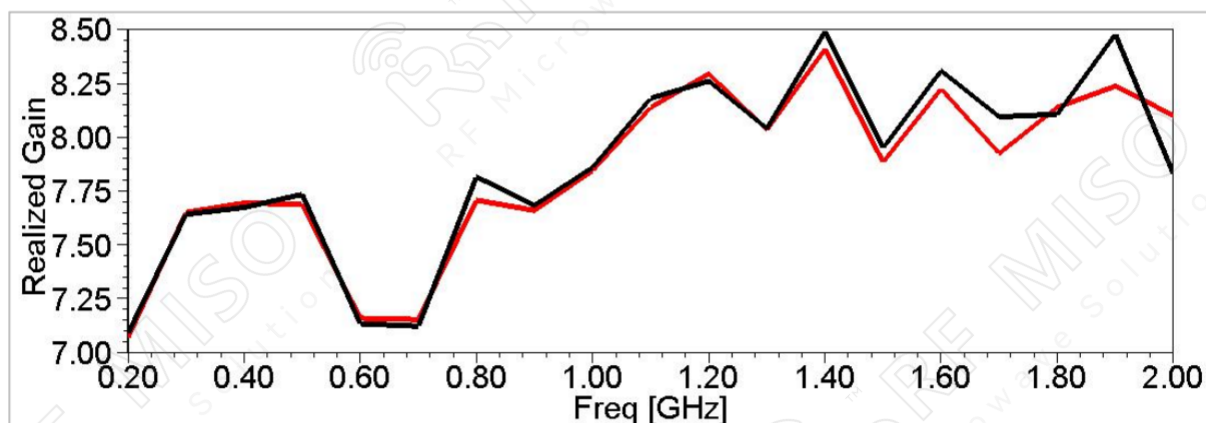
RM-DLPA022-7

Simulation results:

VSWR



Gain

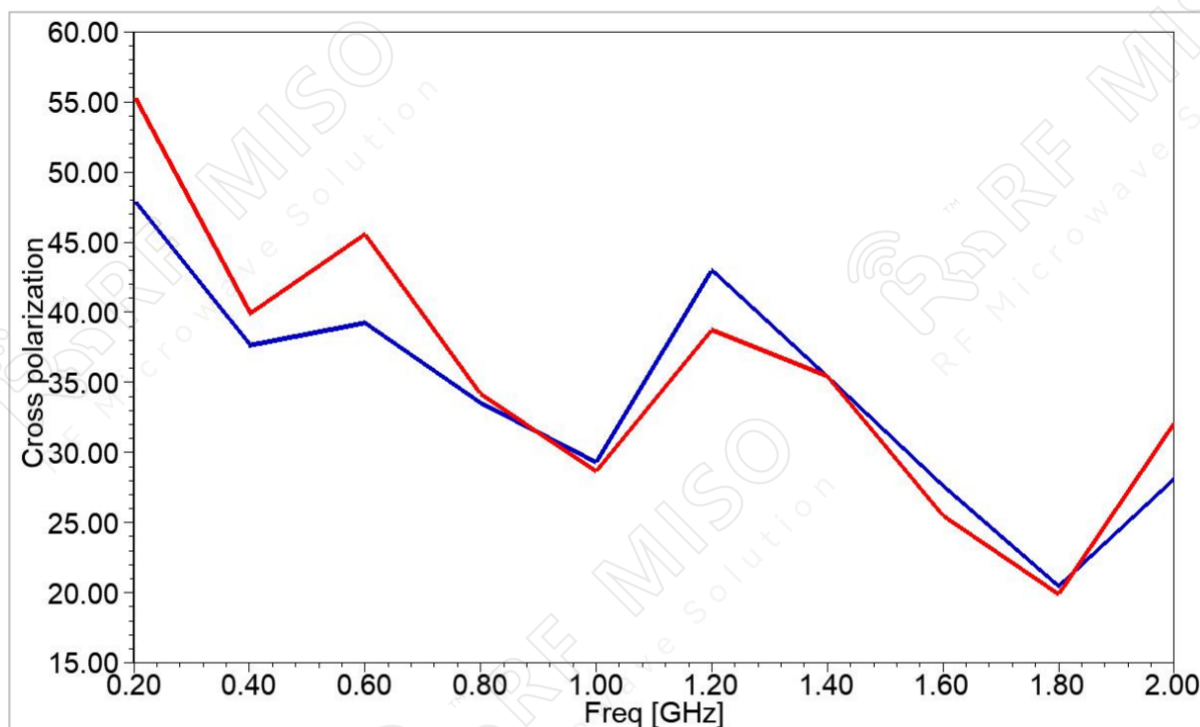


*Dual-Polarized Log Periodic Antenna 7dBi Typ. Gain,
0.2-2GHz Frequency Range*

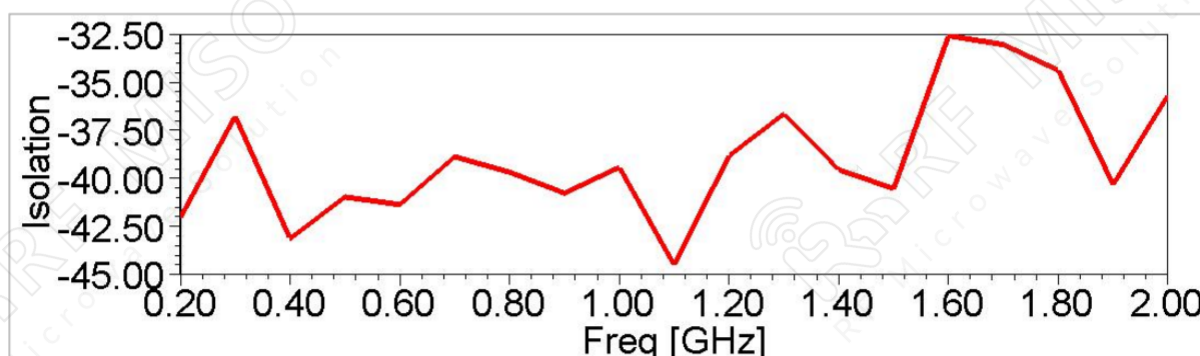
Dual-Polarized Log Periodic Antenna Data Sheet

RM-DLPA022-7

Cross-polar Isolation



Port Isolation

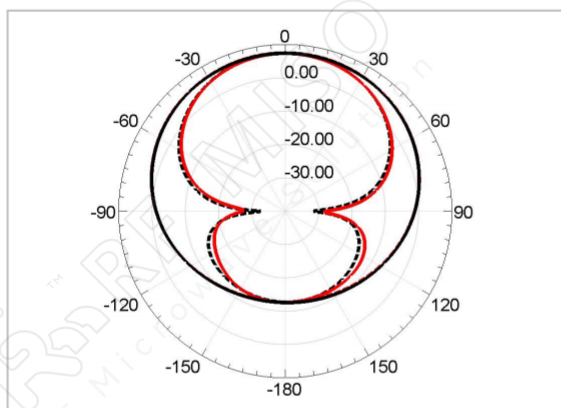


*Dual-Polarized Log Periodic Antenna 7dBi Typ. Gain,
0.2-2GHz Frequency Range*

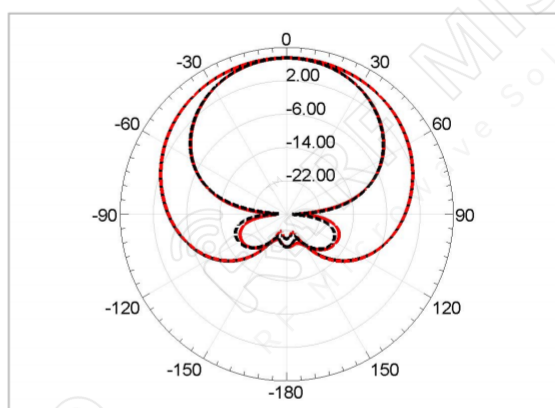
Dual-Polarized Log Periodic Antenna Data Sheet

RM-DLPA022-7

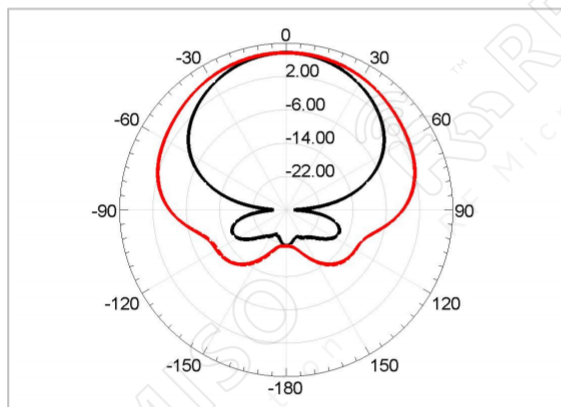
Gain Pattern



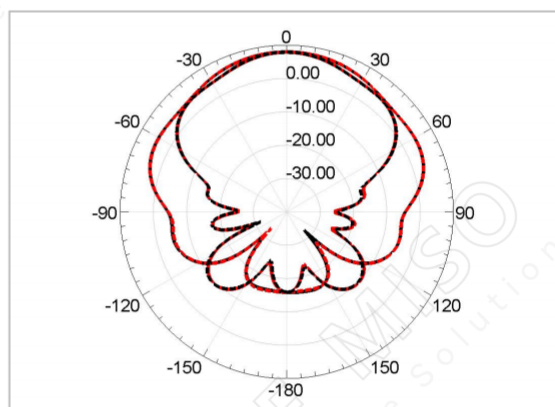
0.2 GHz



0.3 GHz



0.4 GHz

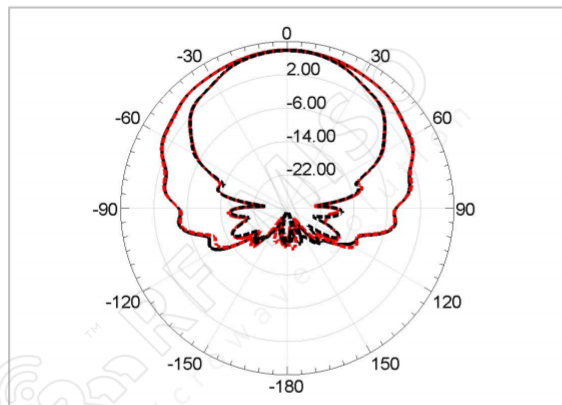


0.5 GHz

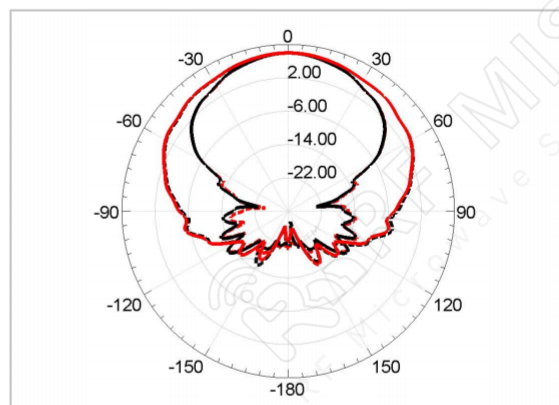
*Dual-Polarized Log Periodic Antenna 7dBi Typ. Gain,
0.2-2GHz Frequency Range*

Dual-Polarized Log Periodic Antenna Data Sheet

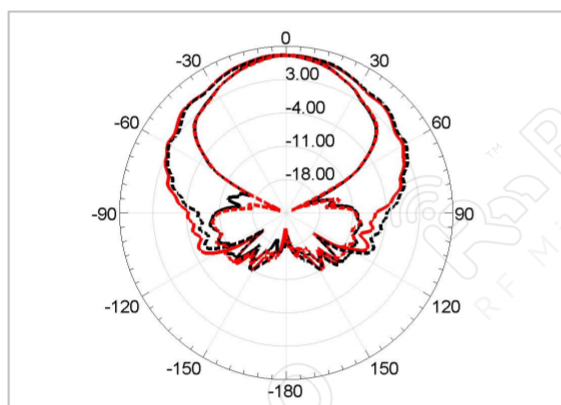
RM-DLPA022-7



1 GHz



1.5 GHz



2 GHz