

*Dual Circular Polarized Horn Antenna 10dBi Typ.
Gain, 1-5 GHz Frequency Range*

Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA15-10

Specifications

RM-DCPHA15-10		
Parameters	Specification	Unit
Frequency Range	1-5	GHz
Gain	10 Typ.	dBi
VSWR	1.5 Typ.	
AR	<1	
Polarization	Dual Circular	
Cross Pol. Isolation	20 Typ.	dB
Port Isolation	45 Typ.	dB
3dB Beamwidth	25.6~85.5	deg
Interface	SMA-Female	
Material	Al	
Finishing	Paint	
Average Power	50	W
Peak Power	100	W
Size (L*W*H)	264.7*Ø207.6(±5)	mm
Weight	3.519	kg

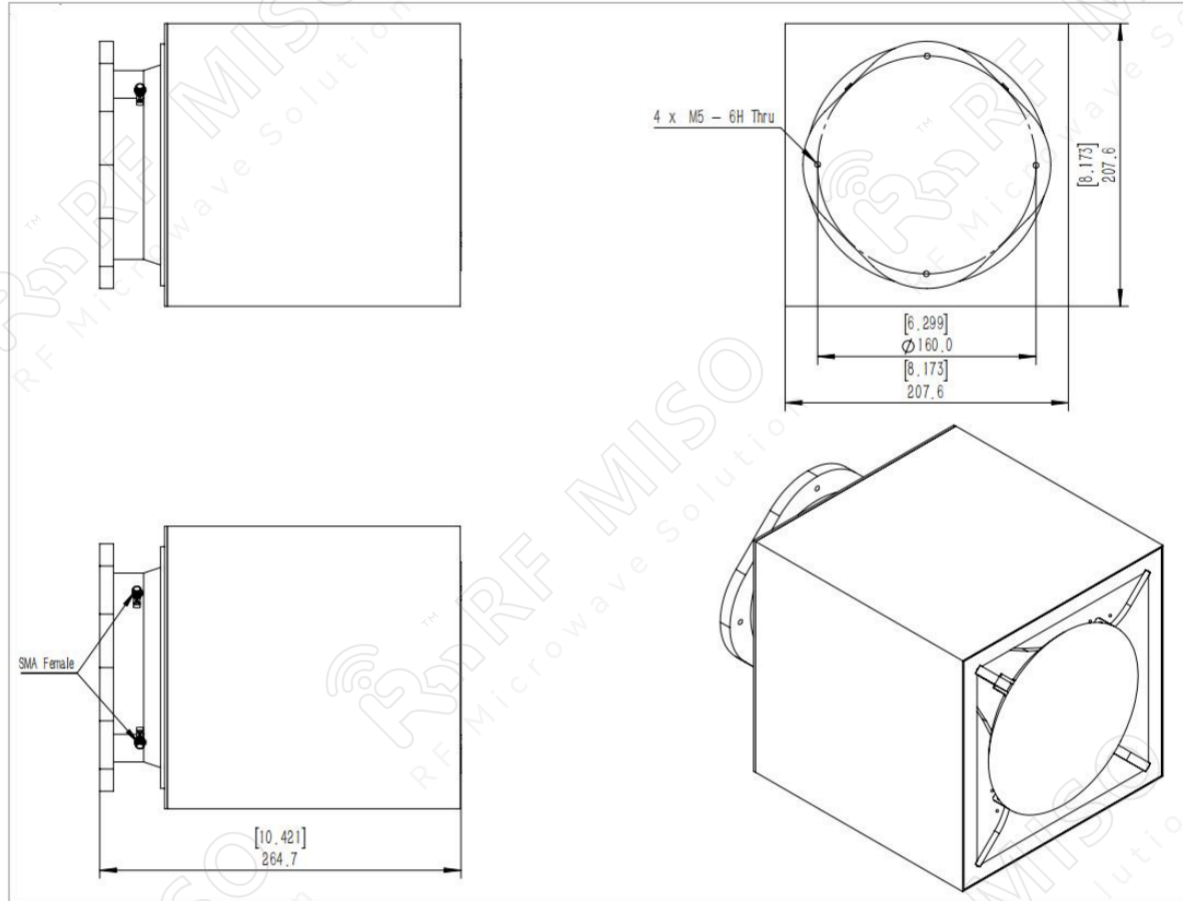
*Dual Circular Polarized Horn Antenna 10dBi Typ.
Gain, 1-5 GHz Frequency Range*

Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA15-10

Outline Drawing

N type type connector is available, please contact RF Miso.



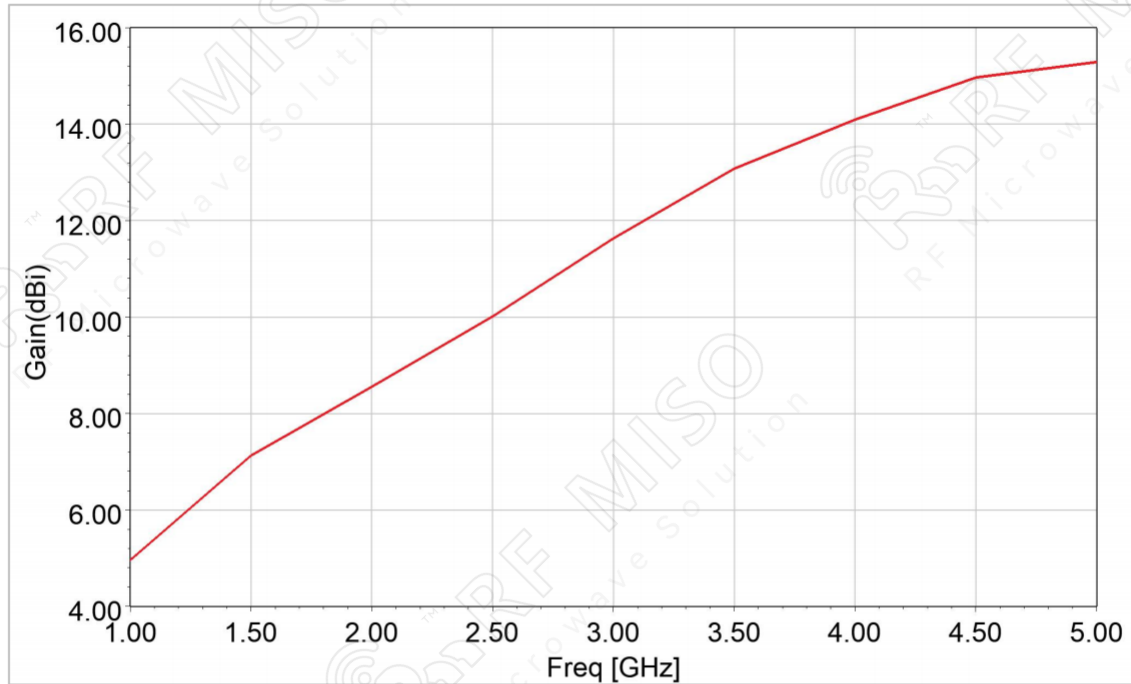
*Dual Circular Polarized Horn Antenna 10dBi Typ.
Gain, 1-5 GHz Frequency Range*

Dual Circular Polarized Horn Antenna Data Sheet

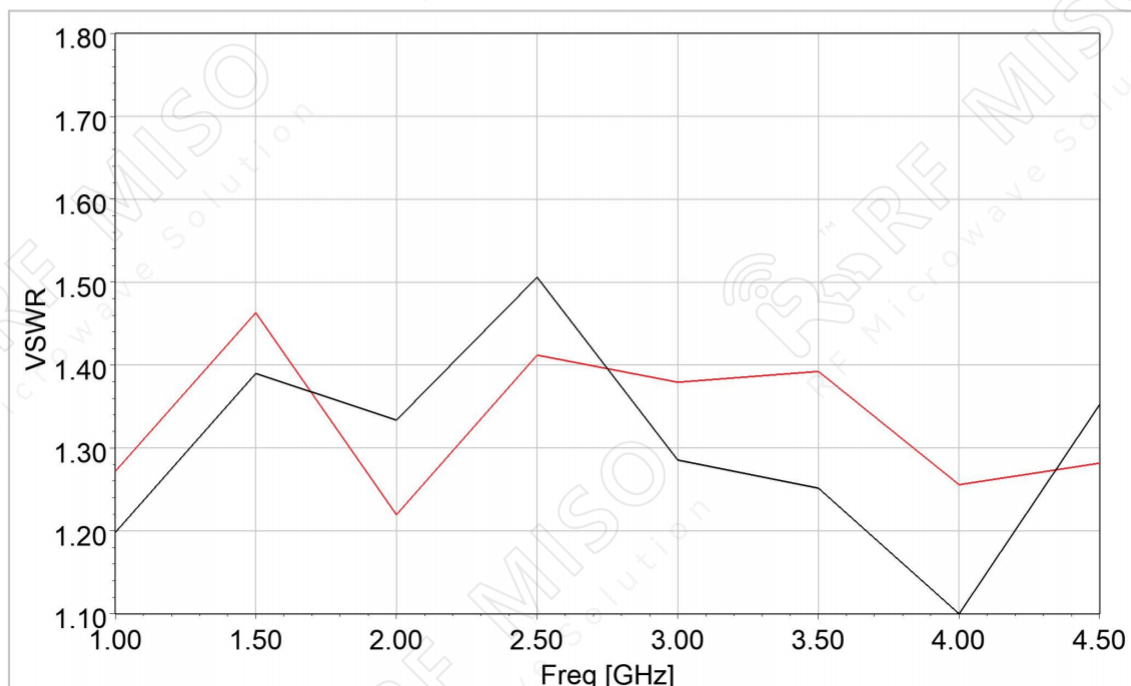
RM-DCPHA15-10

Simulation Data

Gain



VSWR

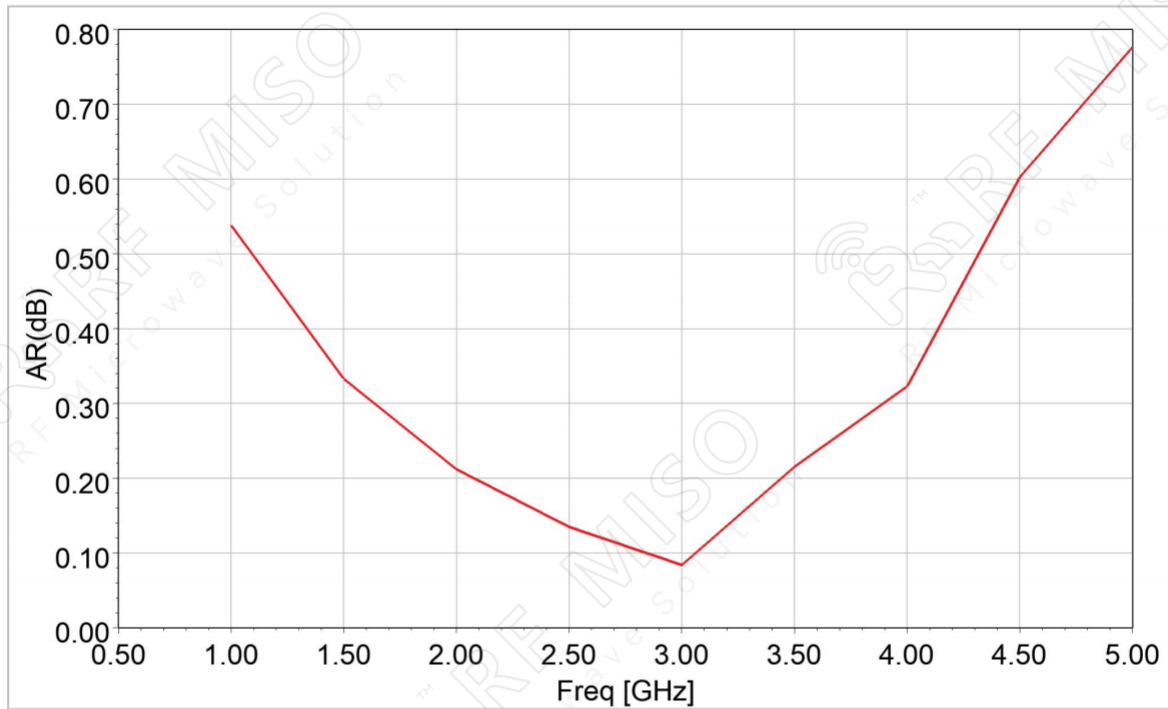


*Dual Circular Polarized Horn Antenna 10dBi Typ.
Gain, 1-5 GHz Frequency Range*

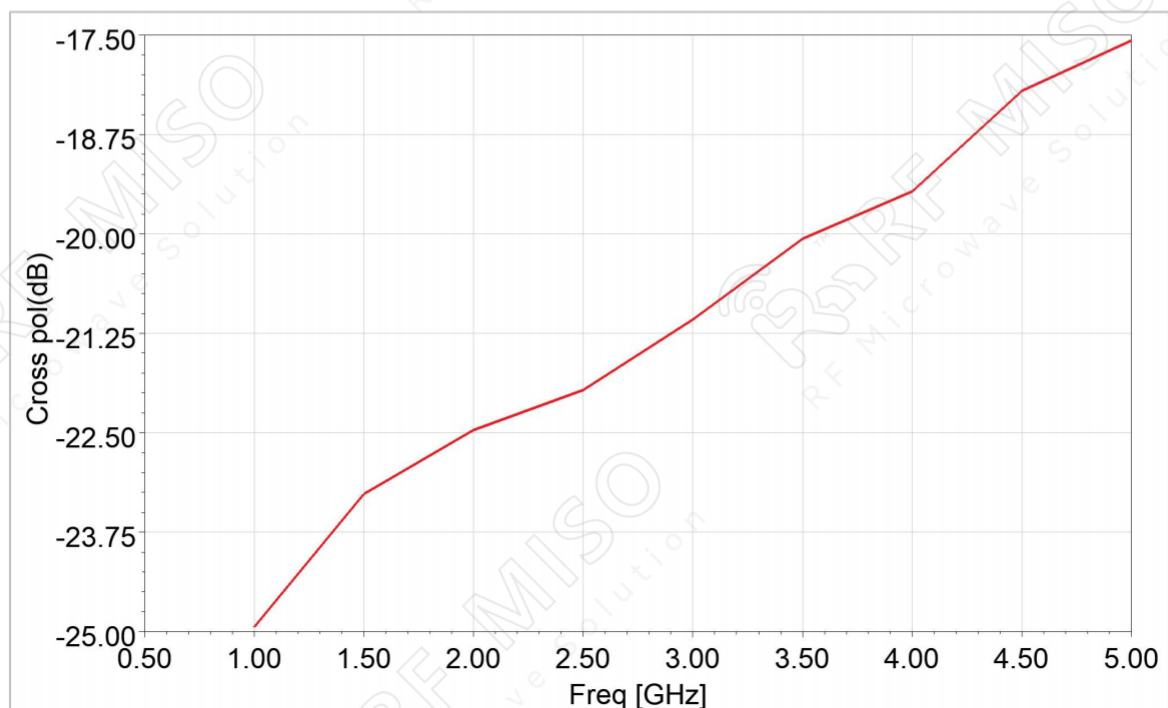
Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA15-10

AR



Cross Polarization

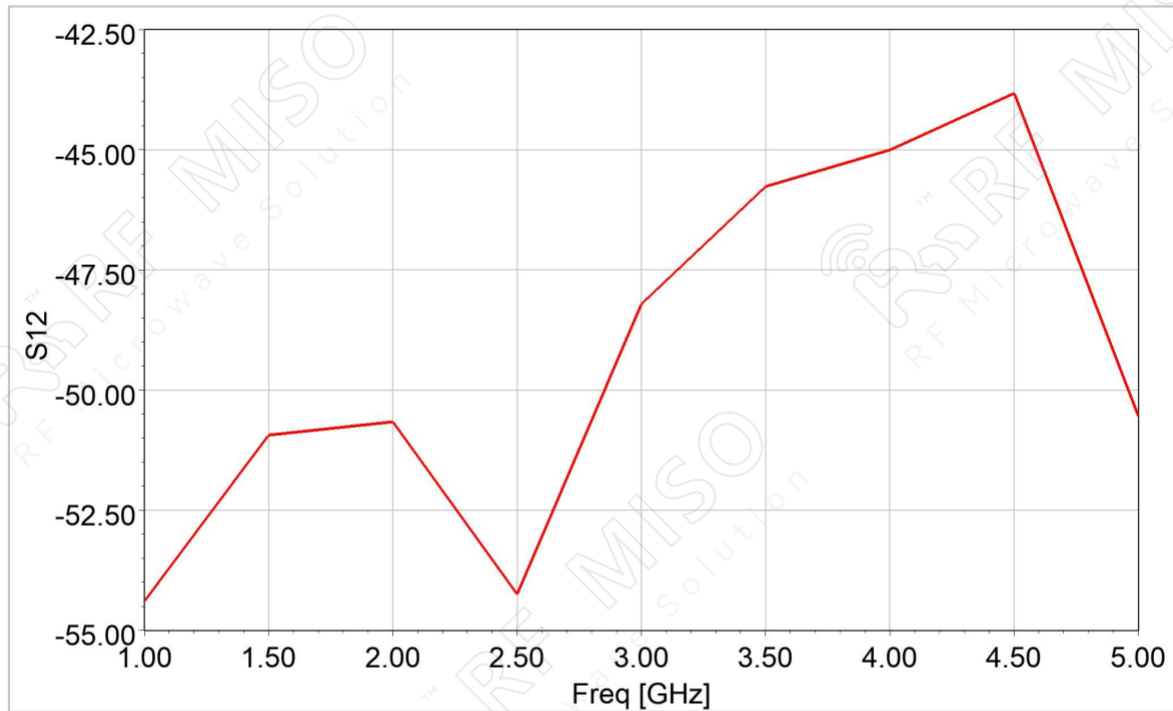


*Dual Circular Polarized Horn Antenna 10dBi Typ.
Gain, 1-5 GHz Frequency Range*

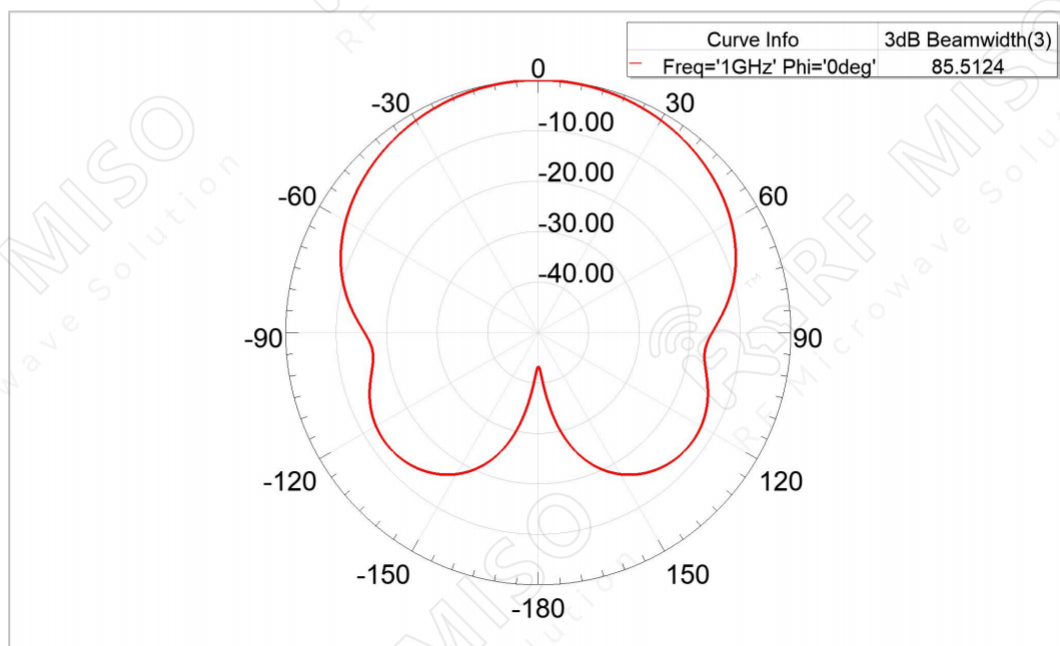
Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA15-10

Port Isolation



Gain Pattern

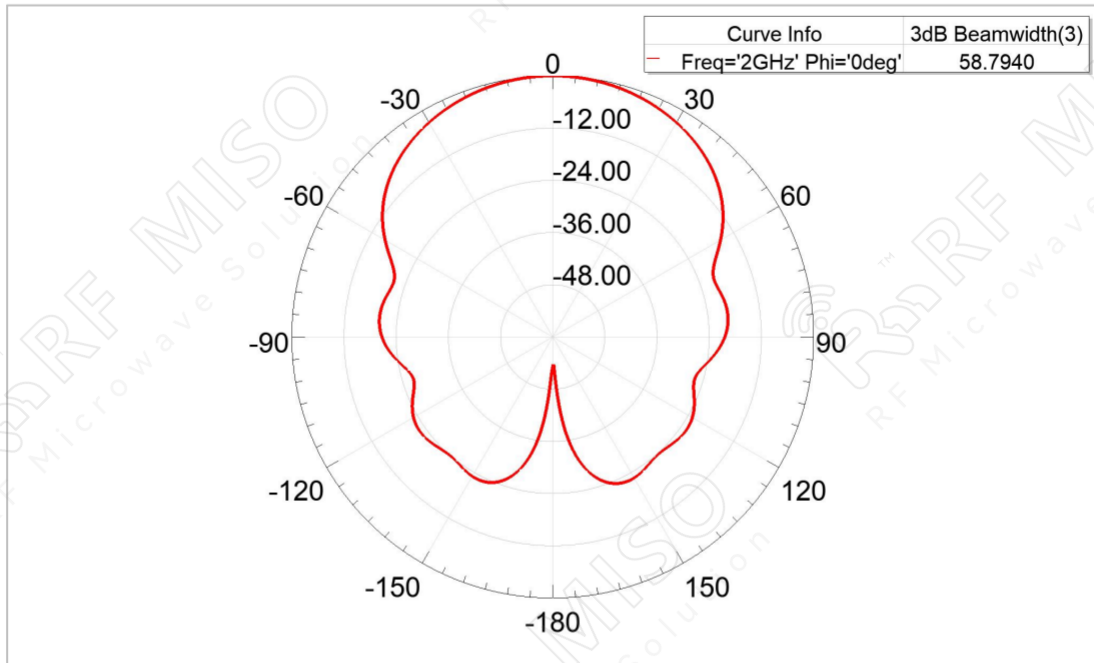


1 GHz

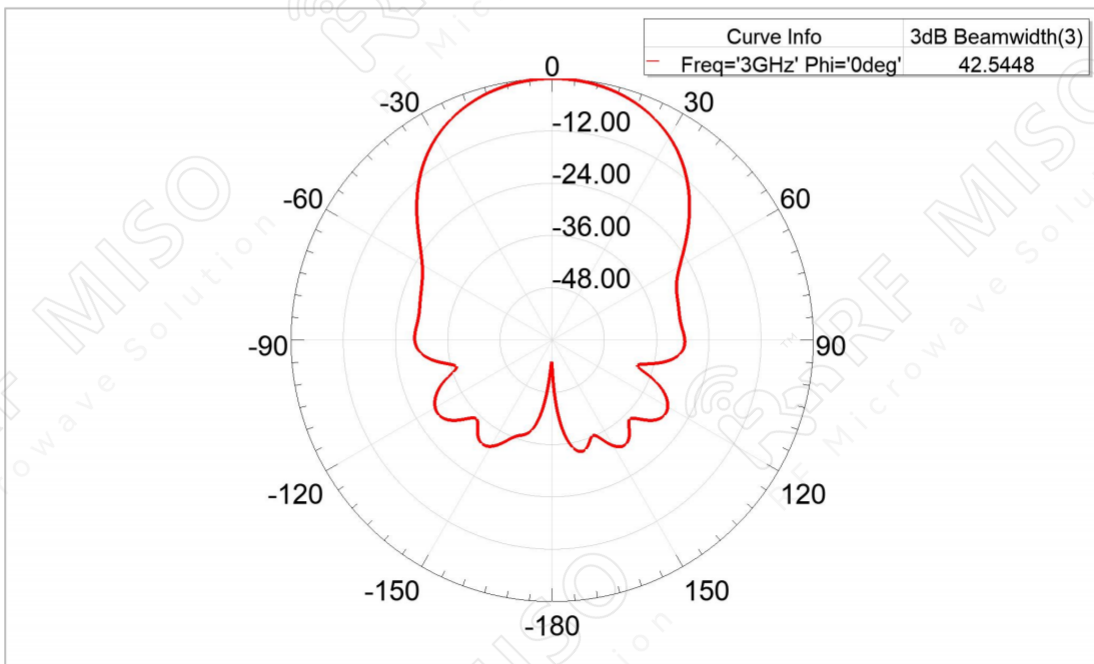
*Dual Circular Polarized Horn Antenna 10dBi Typ.
Gain, 1-5 GHz Frequency Range*

Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA15-10



2 GHz

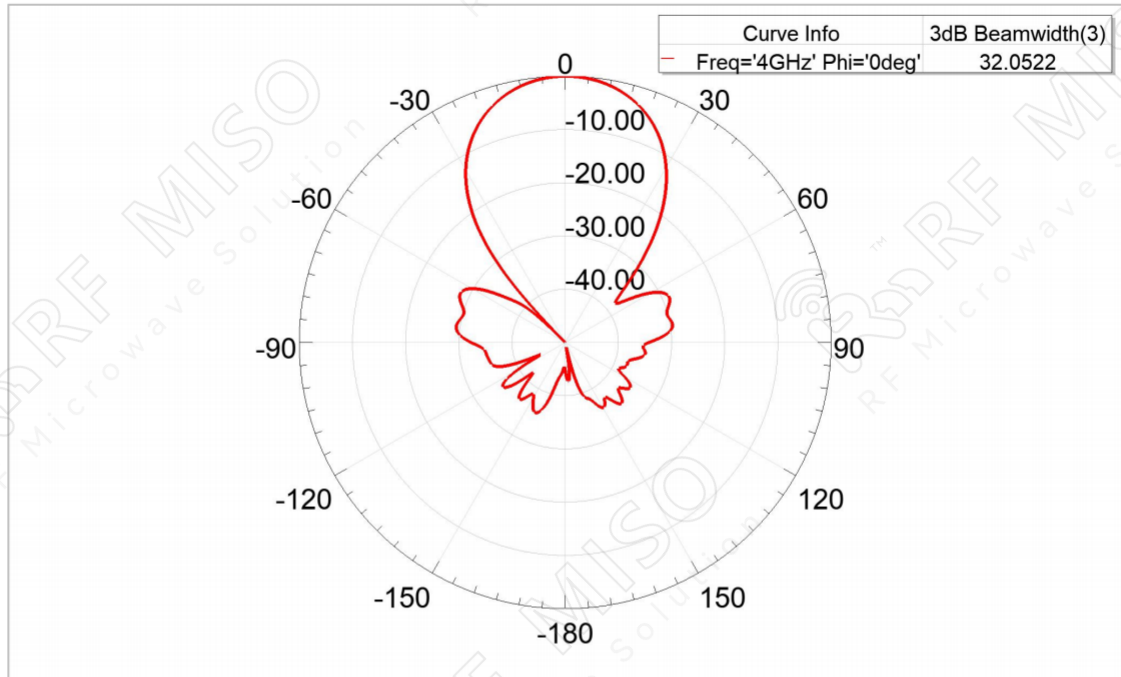


3 GHz

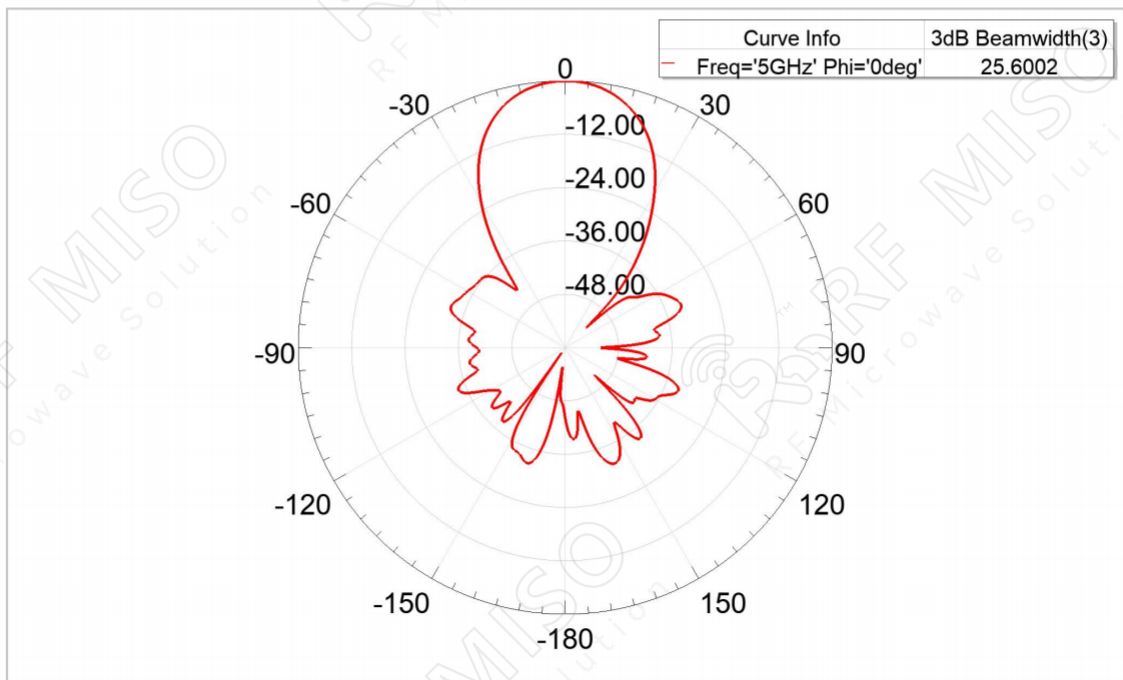
*Dual Circular Polarized Horn Antenna 10dBi Typ.
Gain, 1-5 GHz Frequency Range*

Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA15-10



4 GHz



5 GHz