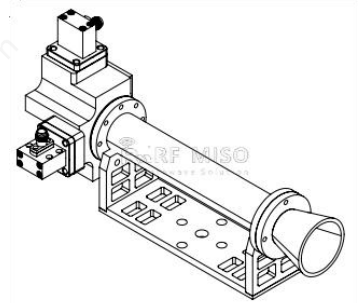




*Dual Circular Polarized Horn Antenna 15dBi Typ.
Gain, 18-26.5 GHz Frequency Range*

Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA1826-15

Features

- Low VSWR
- High Gain
- Dual circular
- Military Airborne Applications

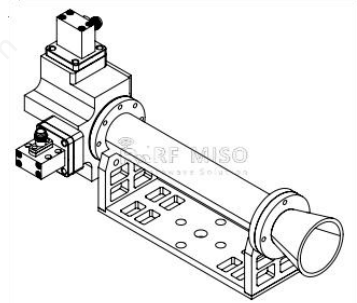
Descriptions

RF MISO' s Model RM-DCPHA1826-15 is dual circular polarized horn antenna that operates from 18 to 26.5GHz. The antenna offers a typical gain of 15 dBi and low VSWR 1.2 Typ. The antenna is equipped with a circular polarizer, a circular waveguide to circular waveguide Converter and a conical horn antenna. Antennas are widely used in antenna far-field testing, radio frequency radiation testing and other scenarios.

Specifications

RM-DCPHA1826-15		
Parameters	Specification	Unit
Frequency Range	18-26.5	GHz
Gain	15 Typ.	dBi
VSWR	<1.5	
AR	<1.5	dB
Cross Polarization	25 Typ.	dB
Port Isolation	30 Typ.	dB
3dB Beamwidth	28 Typ.@RHCP 37 Typ.@LHCP	
Polarization	RHCP	
Interface	SMA-Female	
Material,Finishing	Al, Paint	W
Average/Peak Power	50/100	W
Size (L*W*H)	183.5*77.1*92.7 (±5)	mm
Weight	0.284	kg

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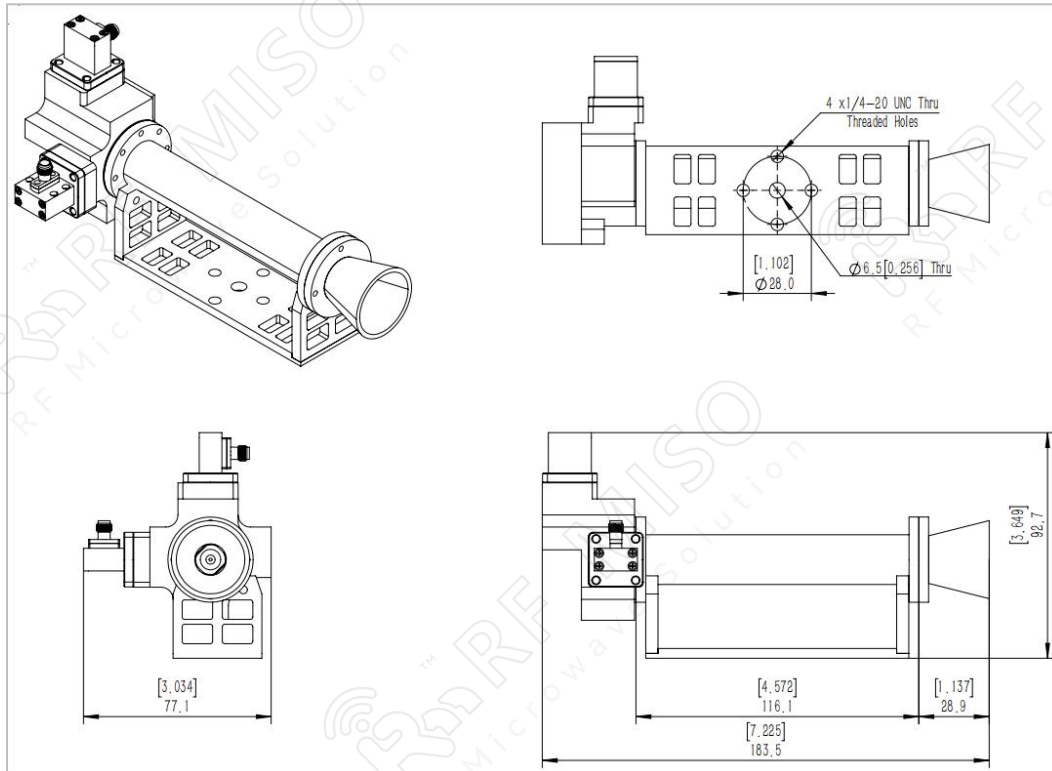


Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA1826-15

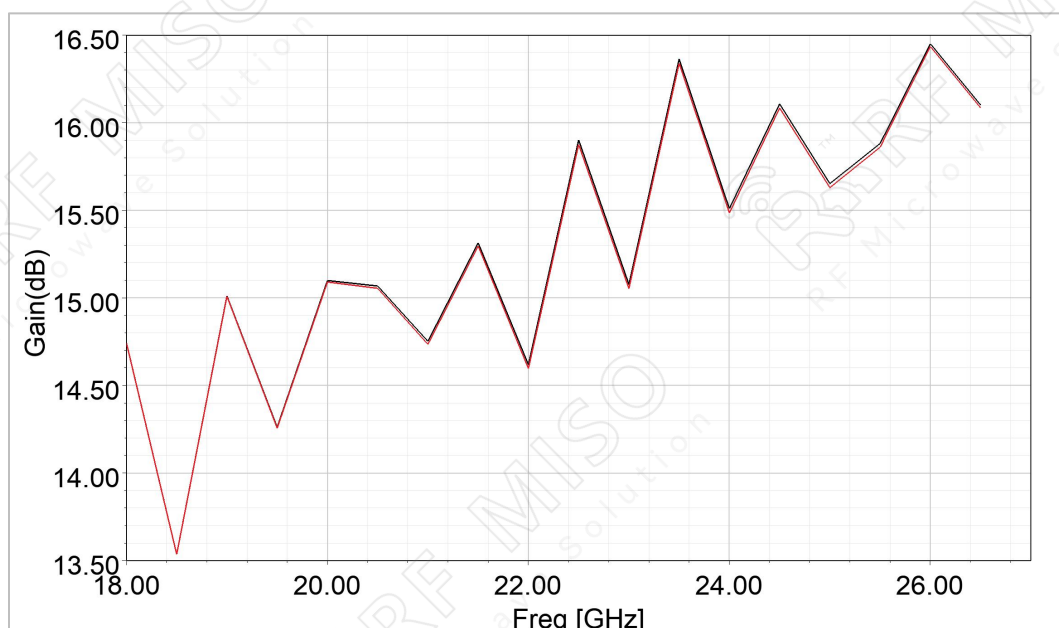
Outline Drawing

N type connector is available, please contact RF Miso.

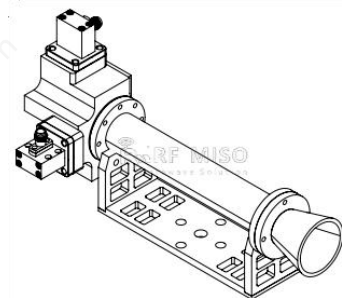


Simulation Data

Gain



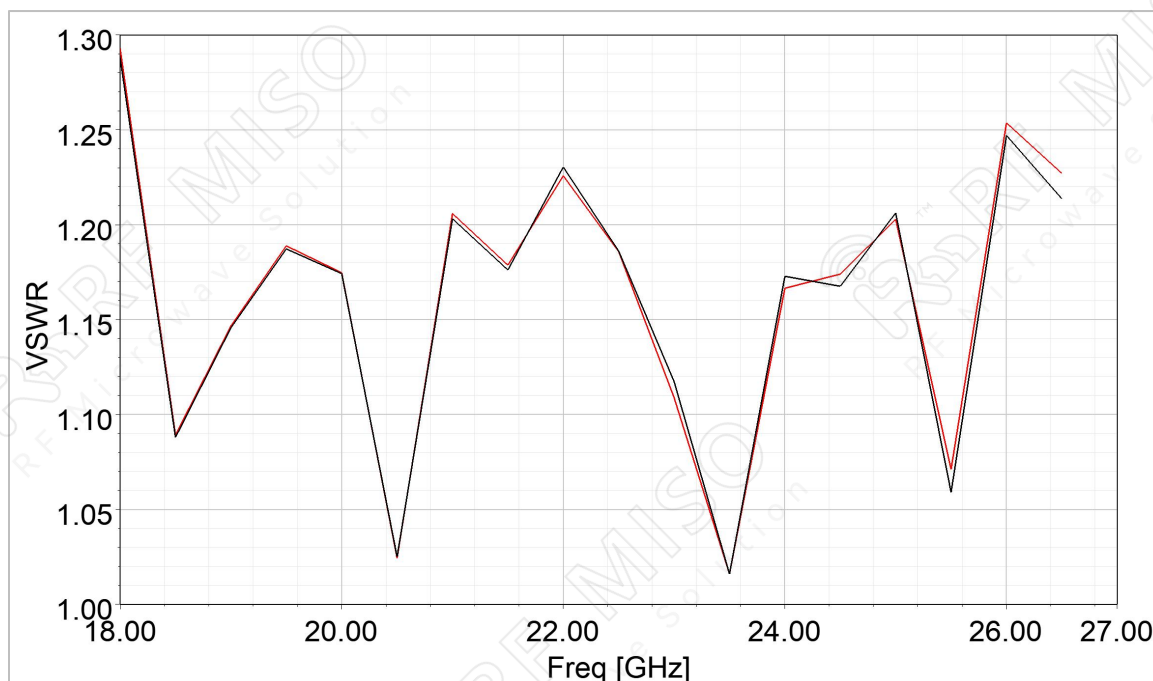
*Dual Circular Polarized Horn Antenna 15dBi Typ.
Gain, 18-26.5 GHz Frequency Range*



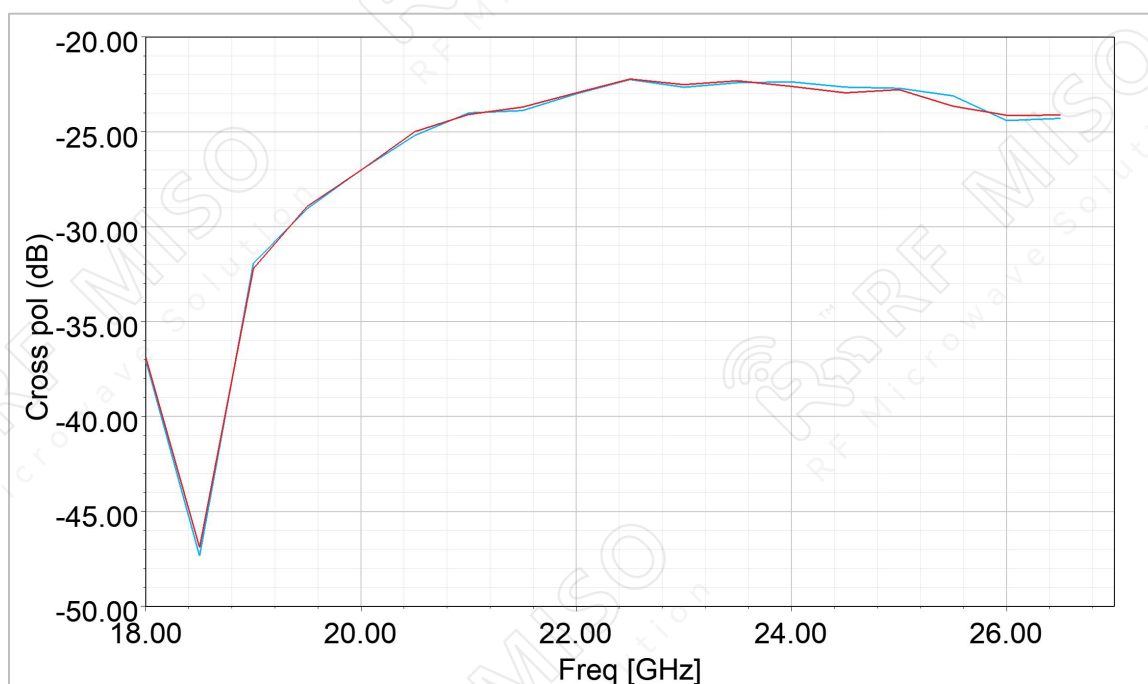
Dual Circular Polarized Horn Antenna Data Sheet

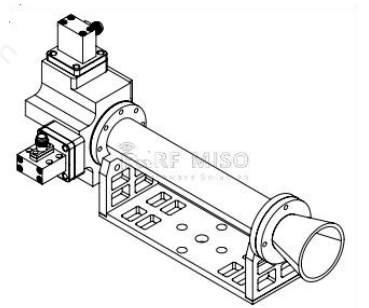
RM-DCPHA1826-15

VSWR



Cross Polarization



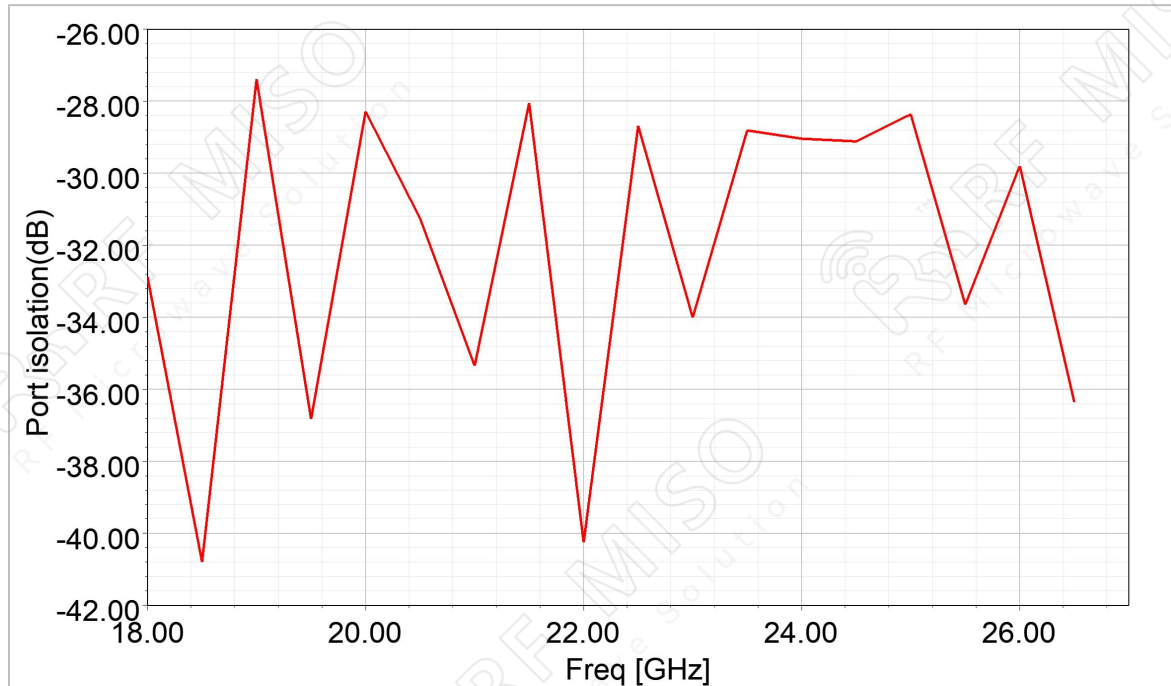


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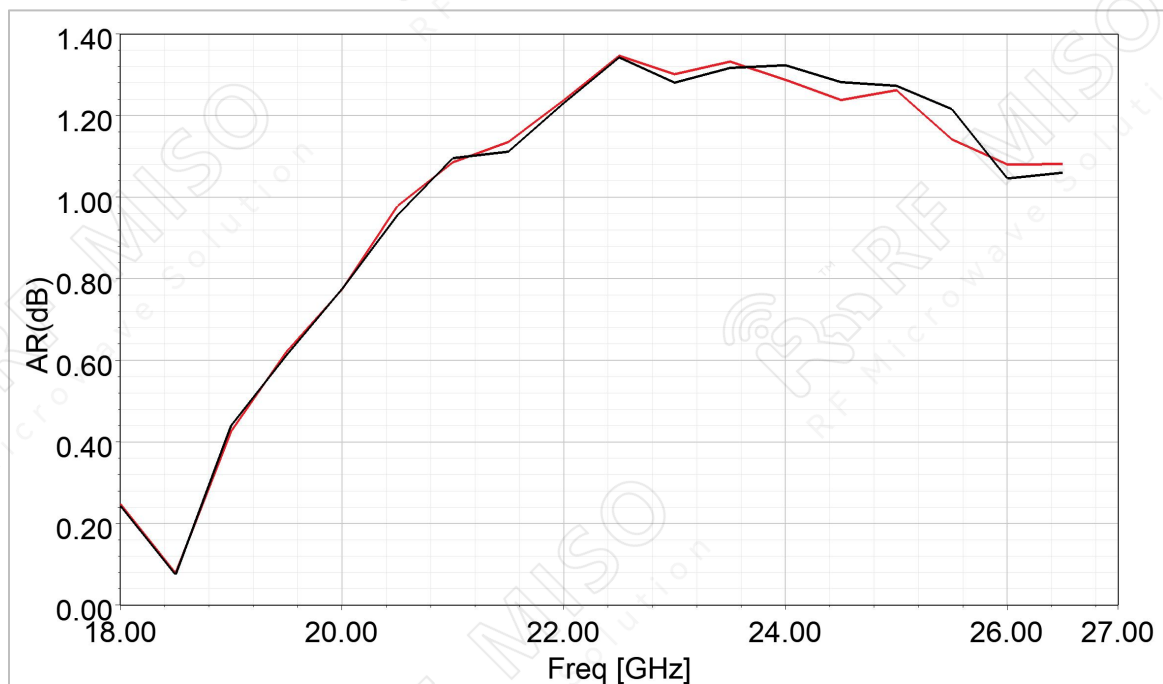
Dual Circular Polarized Horn Antenna Data Sheet

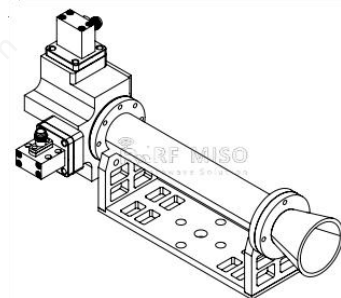
RM-DCPHA1826-15

Port Isolation



AR





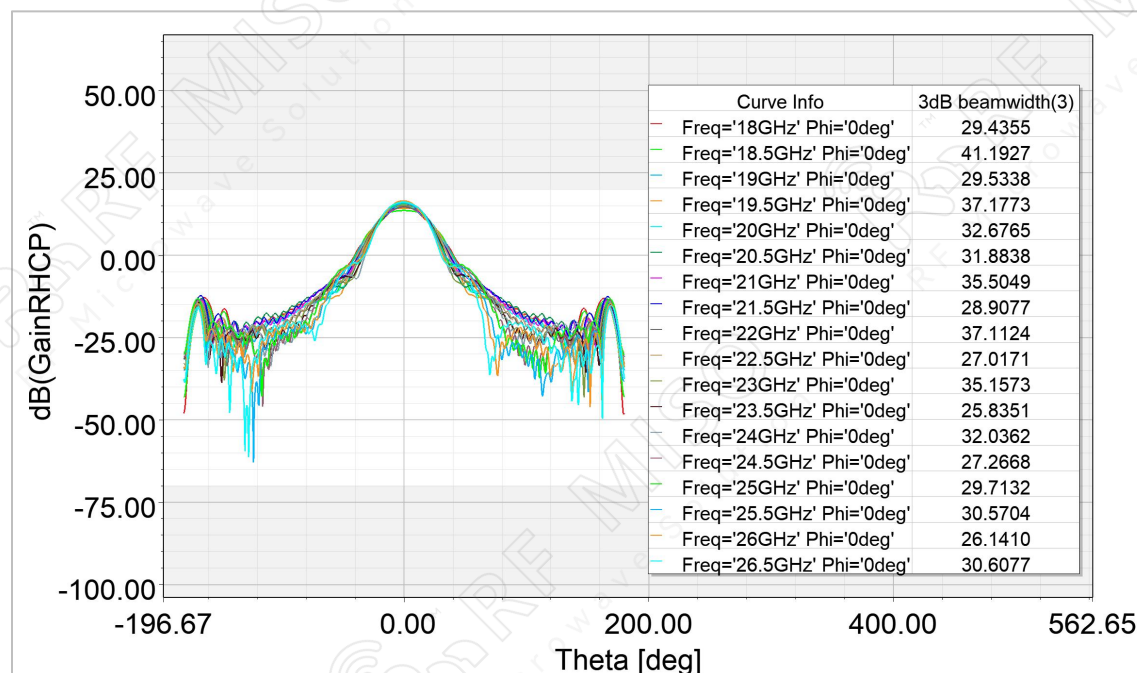
*Dual Circular Polarized Horn Antenna 15dBi Typ.
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Dual Circular Polarized Horn Antenna Data Sheet

RM-DCPHA1826-15

3dB Beamwidth

RCHP



LCHP

