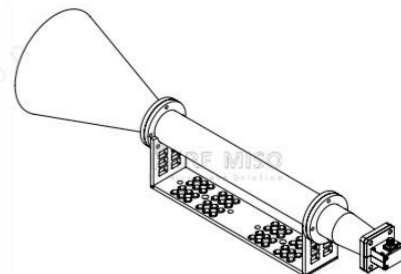


*Circularly Polarized Horn Antenna 20dBi Typ. Gain,
10-15 GHz Frequency Range*



Circularly Polarized Horn Antenna Data Sheet

RM-CPHA1015-20

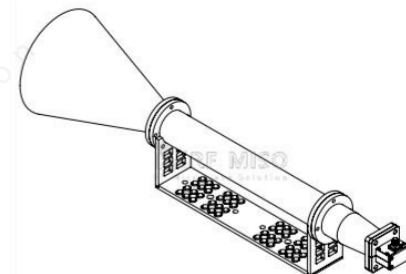
Descriptions

RF MISO's Model RM-CPHA1015-20 is LHCP horn antenna that operates from 10 to 15GHz. The antenna offers a typical gain of 20 dBi and low VSWR 1.2 Typ. The antenna RF ports are SMA-Female coaxial connector. The antenna can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

Specifications

RM-CPHA1015-20		
Parameters	Specification	Unit
Frequency Range	10-15	GHz
Gain	20 Typ.	dBi
VSWR	1.2 Typ.	
Polarization	LHCP	
AR	<1.6	
Cross Polarization	30 Typ.	dB
3dB Beamwidth	12~18	deg
Interface	SMA-Female	
Material	Al	
Finishing	Paint	
Average Power	50	W
Peak Power	100	W
Size (L*W*H)	464.9*111.6*117.5 (±5)	mm
Weight	0.758	kg

*Circularly Polarized Horn Antenna 20dBi Typ. Gain,
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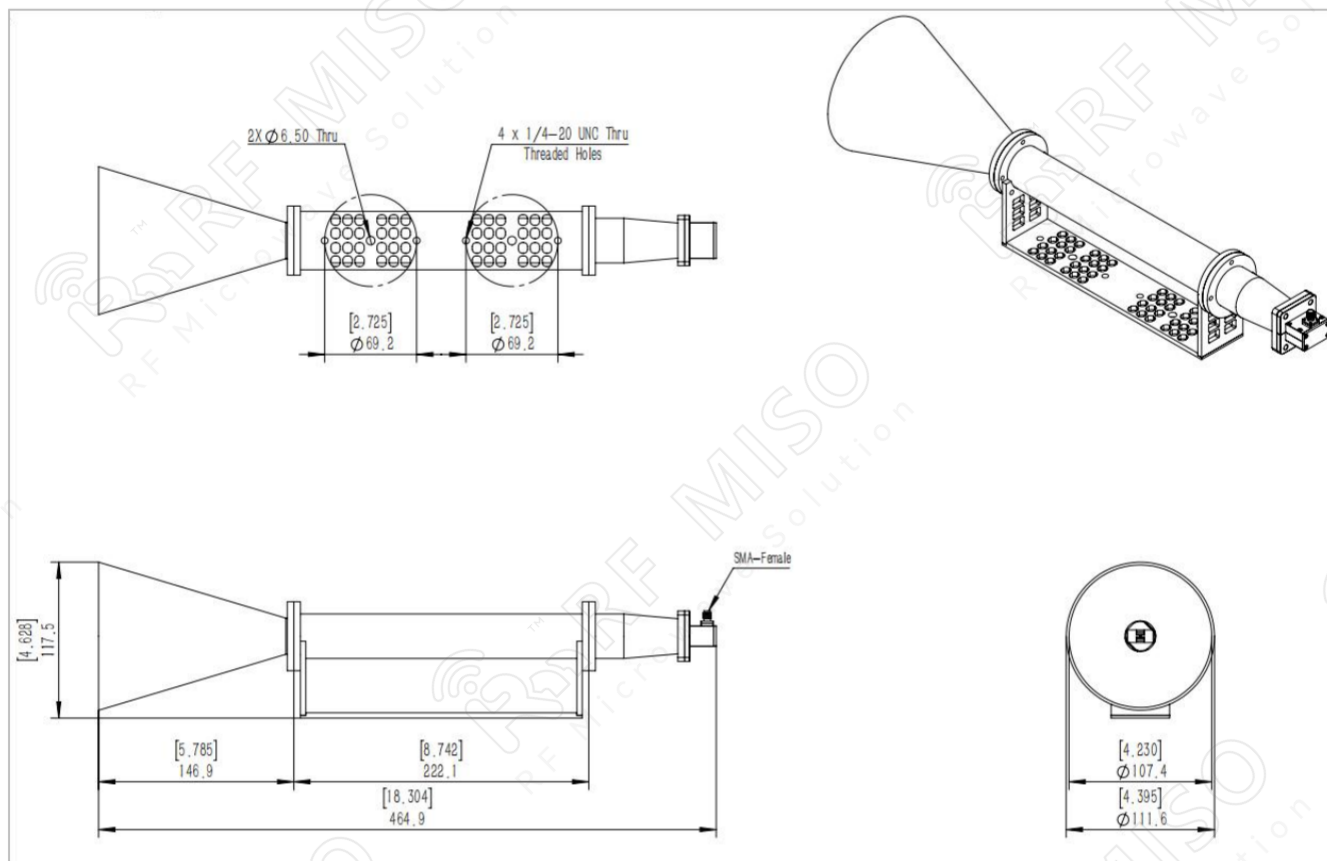


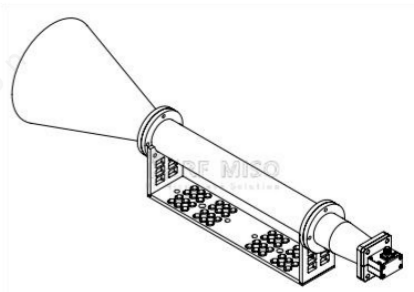
Circularly Polarized Horn Antenna Data Sheet

RM-CPHA1015-20

Outline Drawing

N type and 2.92mm type connectors are available, please contact RF Miso.





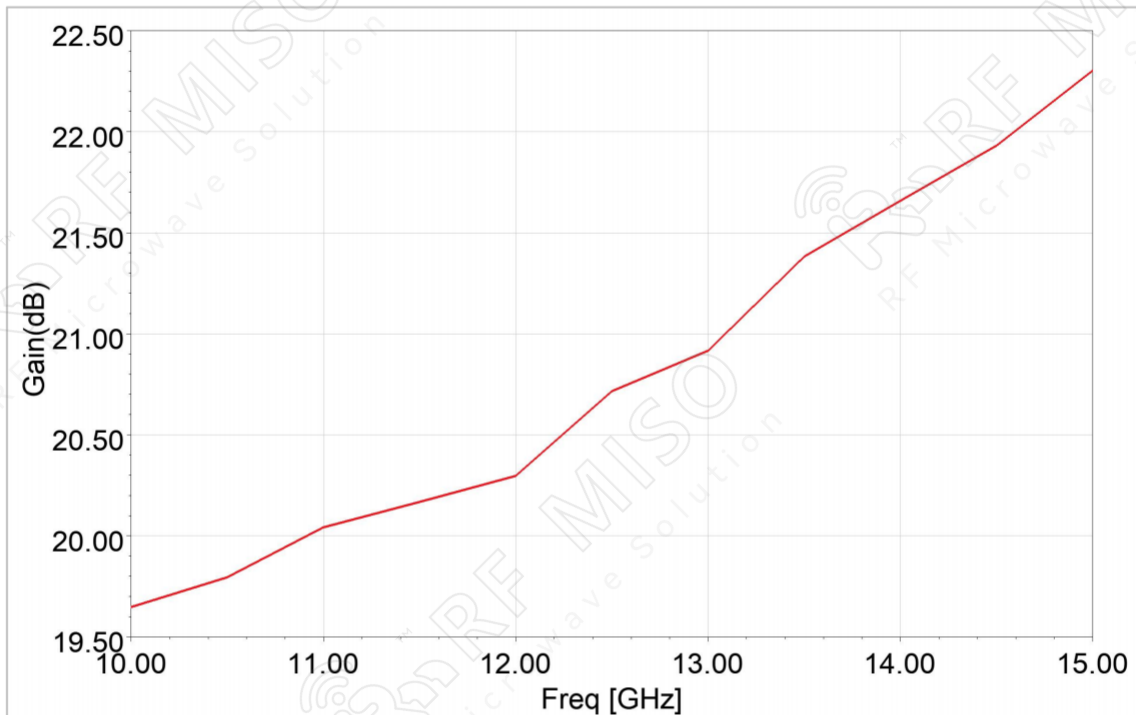
*Circularly Polarized Horn Antenna 20dBi Typ. Gain,
10-15 GHz Frequency Range*

Circularly Polarized Horn Antenna Data Sheet

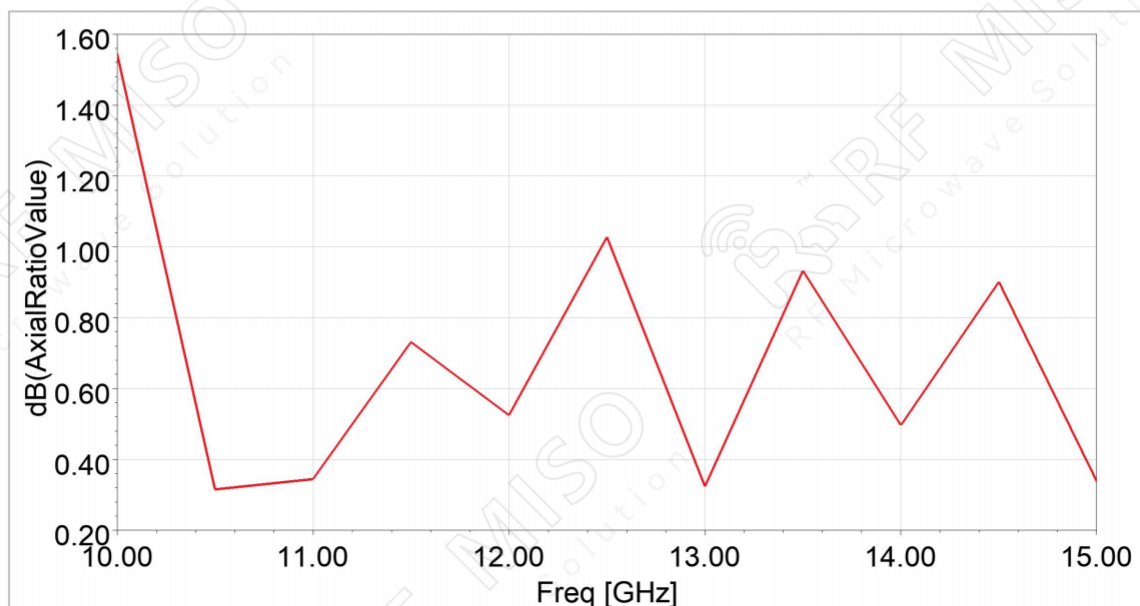
RM-CPHA1015-20

Simulation Data

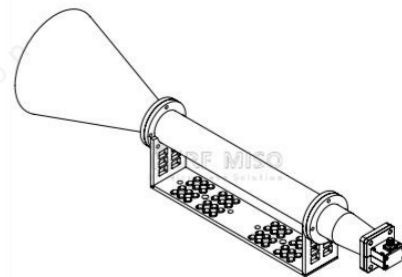
Gain



AR



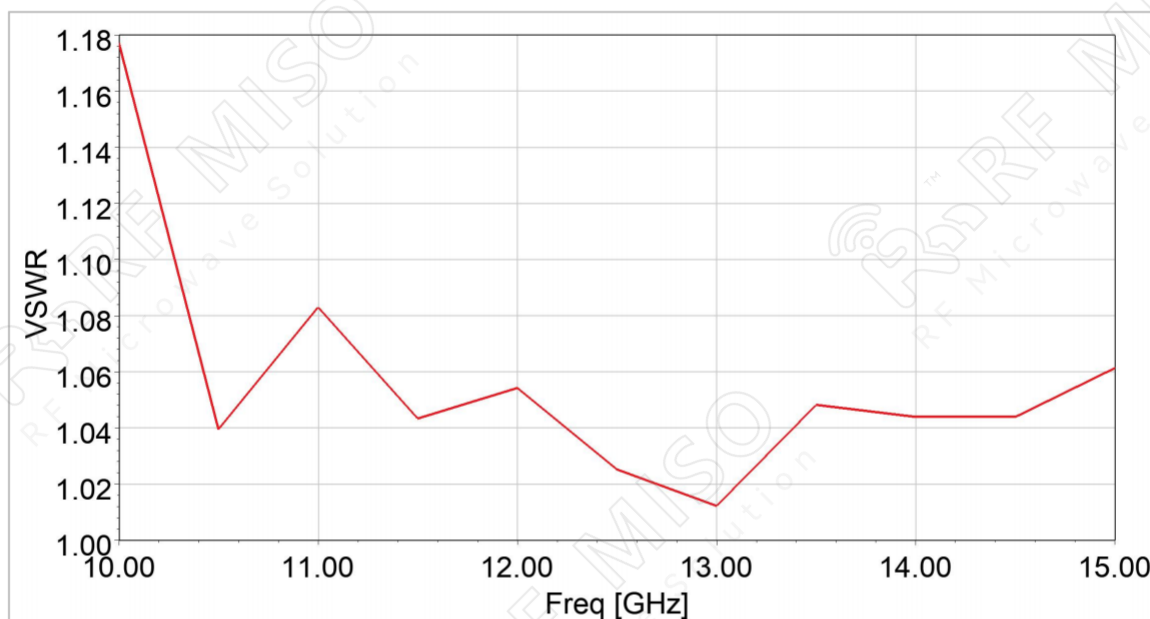
*Circularly Polarized Horn Antenna 20dBi Typ. Gain,
10-15 GHz Frequency Range*



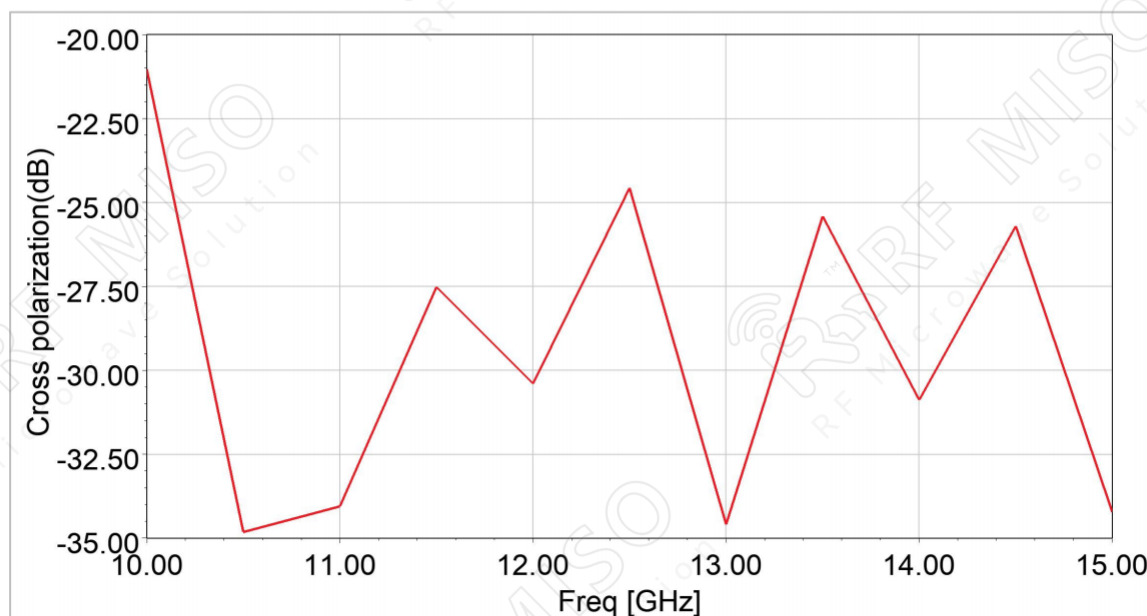
Circularly Polarized Horn Antenna Data Sheet

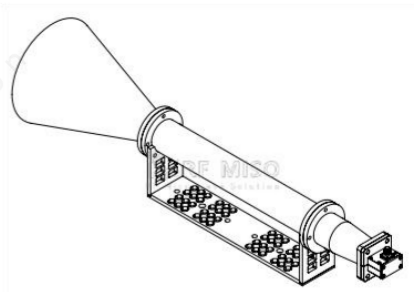
RM-CPHA1015-20

VSWR



Cross Polarization





*Circularly Polarized Horn Antenna 20dBi Typ. Gain,
10-15 GHz Frequency Range*

Circularly Polarized Horn Antenna Data Sheet

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Gain Pattern

