

*Broadband Dual Polarized Horn Antenna
15 dBi Typ. Gain, 20-30 GHz Frequency Range*

Broadband Dual Polarized Horn Antenna Data Sheet

RM-DPHA2030-15

Features

- Coaxial Adapter for RF Inputs
- Low VSWR
- Small Size
- Broadband Operation
- Dual Linear Polarized

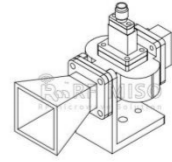
Descriptions

RF MISO's **Model RM-DPHA2030-15** is a dual polarized horn antenna that operates from 20 to 30 GHz, The antenna offers 15dBi typical gain. The antenna VSWR is typical 1.3:1. The antenna RF ports are SMA-Female. The antenna can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

Specifications

RM-DPHA2030-15		
Parameters	Typical	Units
Frequency Range	20-30	GHz
Gain	15 Typ.	dBi
VSWR	1.3 Typ.	
Polarization	Dual Linear	
Cross Pol. Isolation	60 Typ.	dB
Port Isolation	70 Typ.	dB
Connector	SMA-Female	
Material	Al	
Finishing	Paint	
Size(L*W*H)	83.9*39.6*69.4(±5)	mm
Weight	0.074	kg

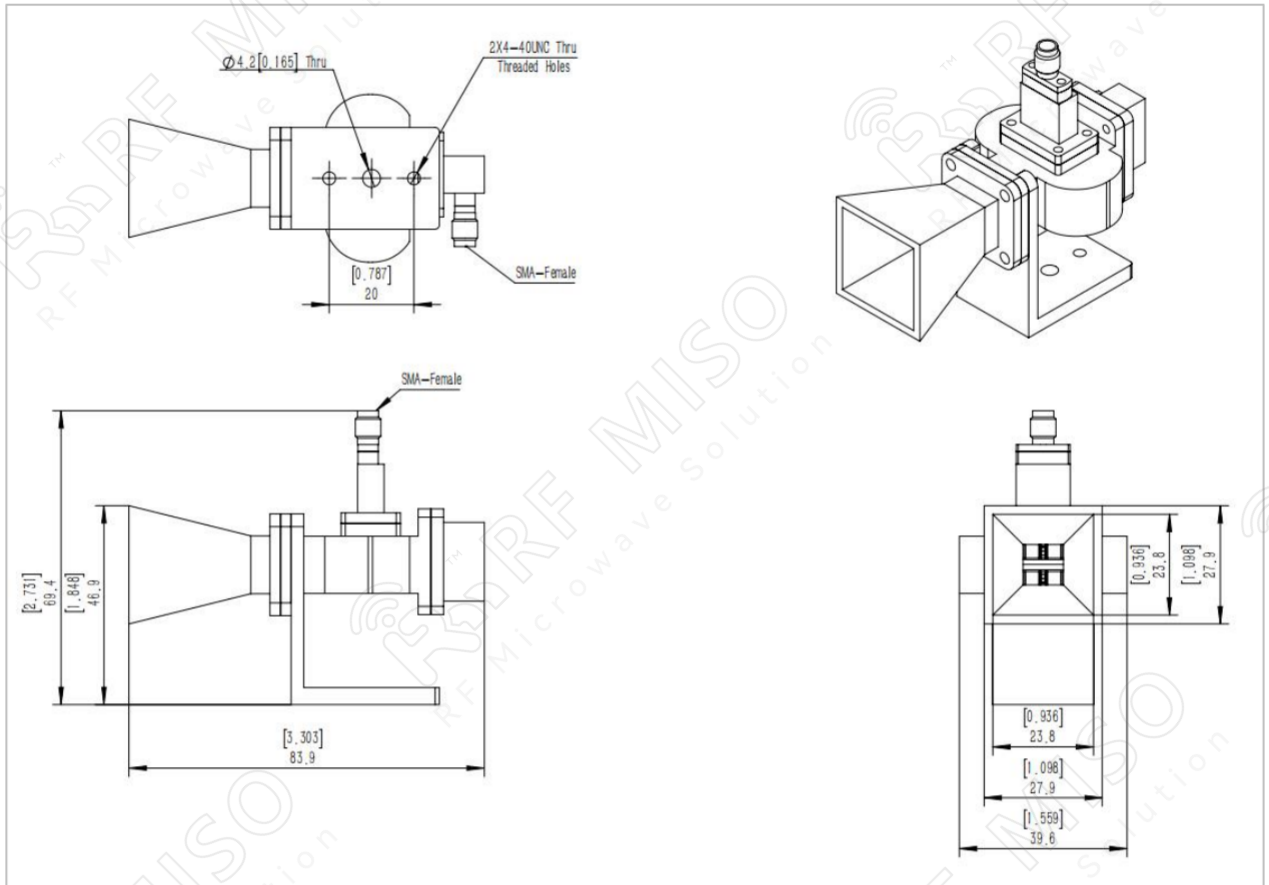
Broadband Dual Polarized Horn Antenna
15 dBi Typ. Gain, 20-30 GHz Frequency Range



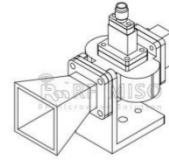
Broadband Dual Polarized Horn Antenna Data Sheet

RM-DPHA2030-15

Outline Drawing



Broadband Dual Polarized Horn Antenna
15 dBi Typ. Gain, 20-30 GHz Frequency Range

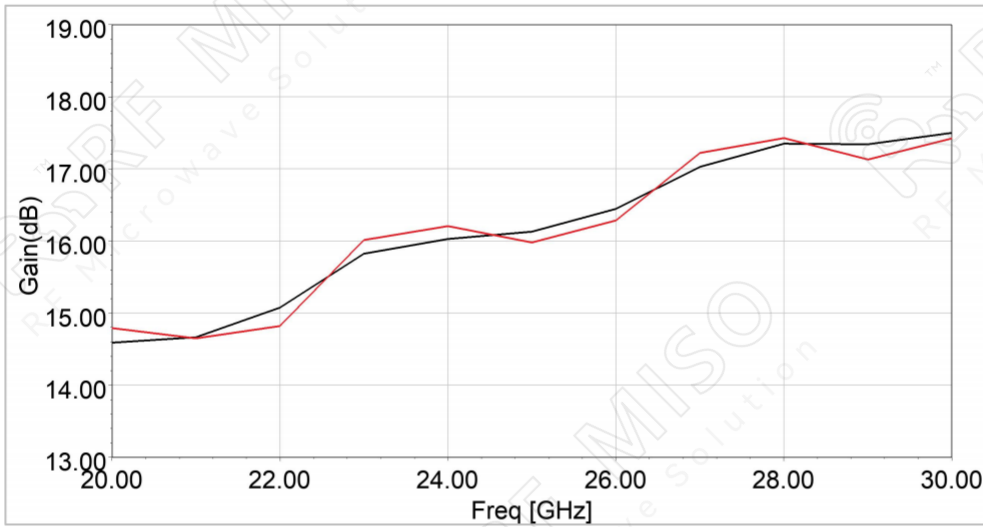


Broadband Dual Polarized Horn Antenna Data Sheet

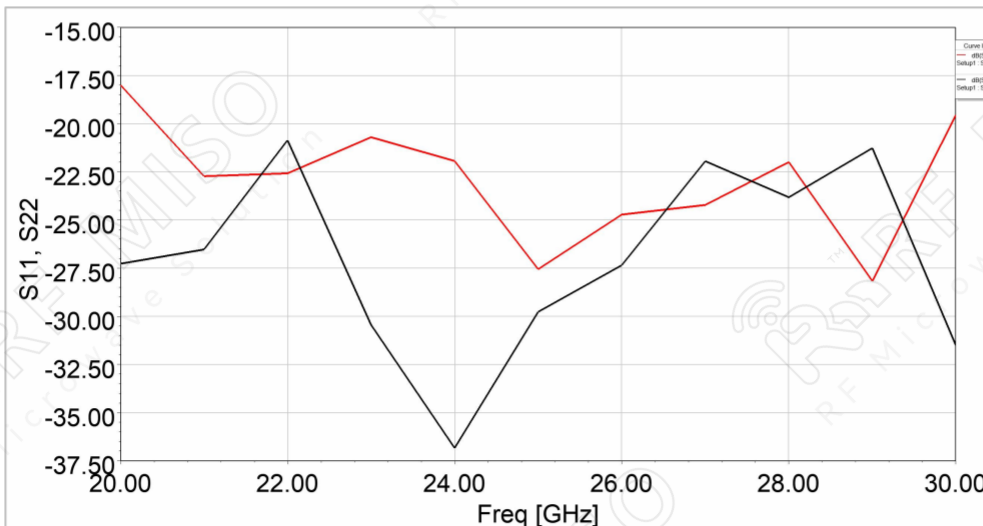
RM-DPHA2030-15

Simulation Data

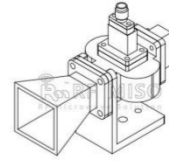
Gain



S11, S22



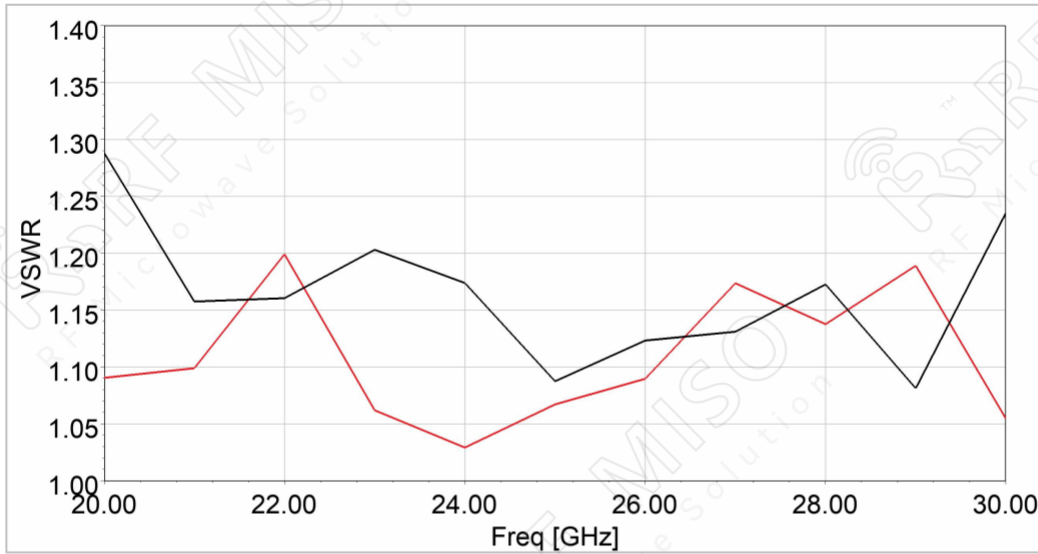
Broadband Dual Polarized Horn Antenna
15 dBi Typ. Gain, 20-30 GHz Frequency Range



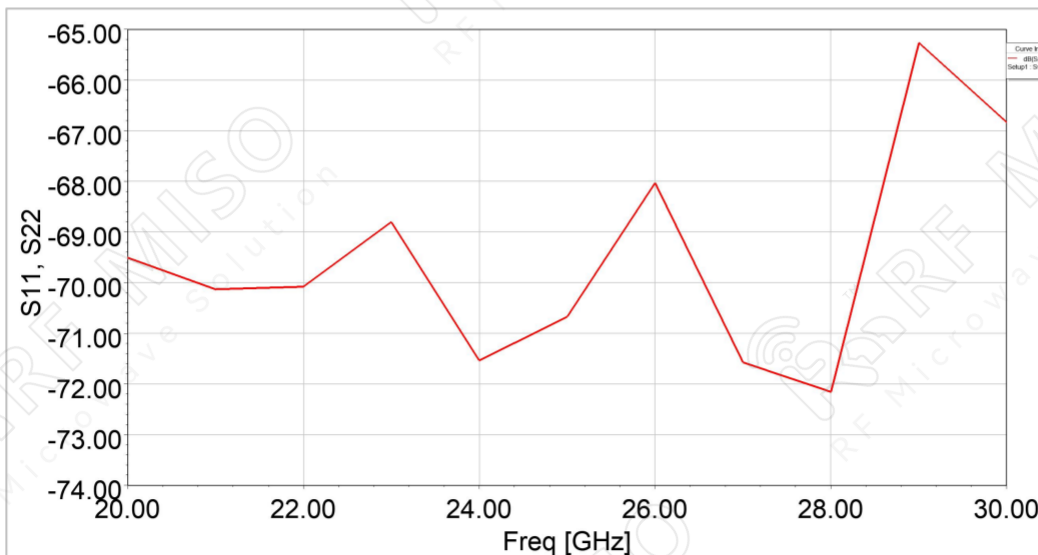
Broadband Dual Polarized Horn Antenna Data Sheet

RM-DPHA2030-15

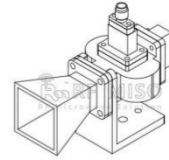
VSWR



Port Isolation (S12)



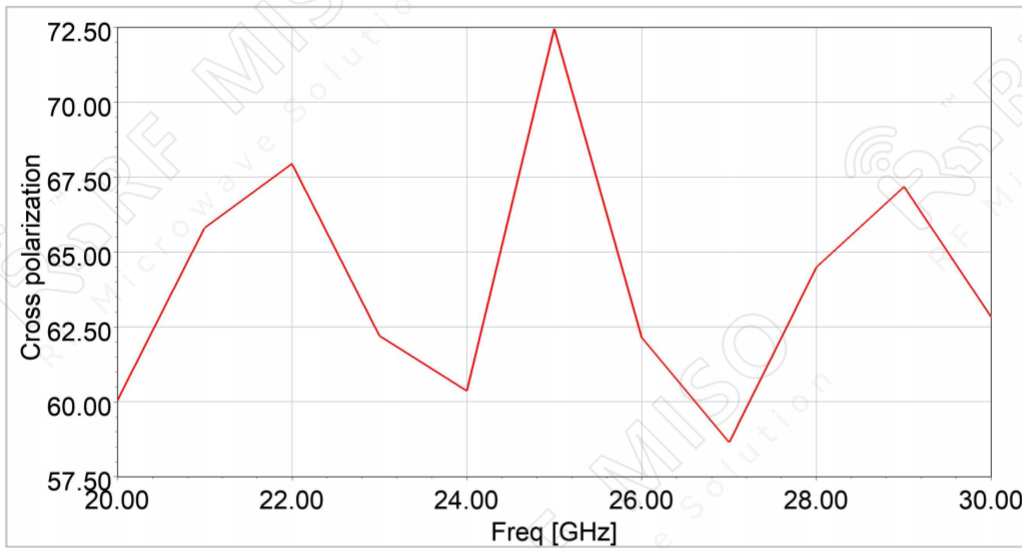
Broadband Dual Polarized Horn Antenna
15 dBi Typ. Gain, 20-30 GHz Frequency Range



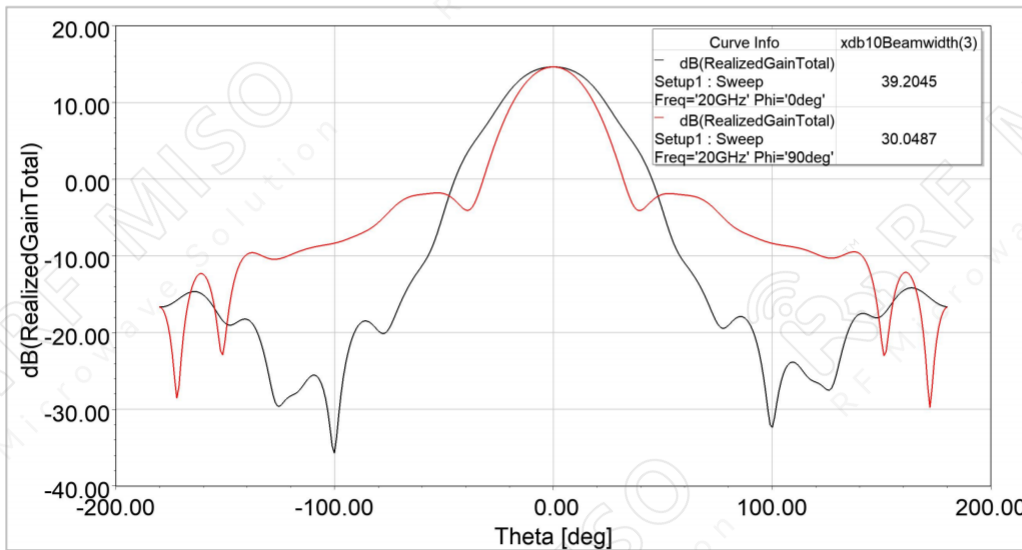
Broadband Dual Polarized Horn Antenna Data Sheet

RM-DPHA2030-15

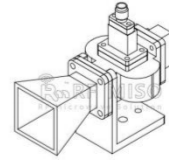
XPD/Cross Polarization (S12)



Pattern



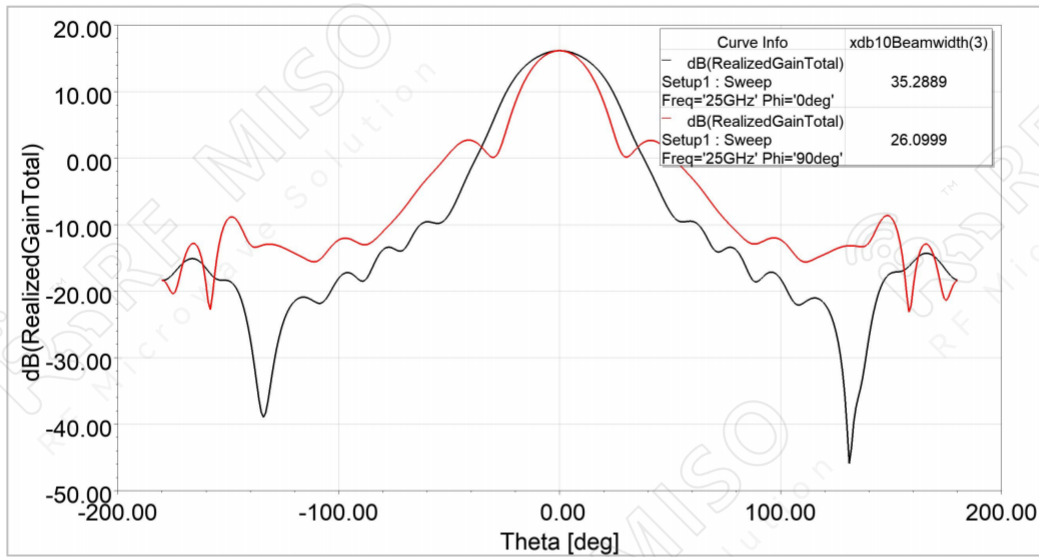
20 GHz



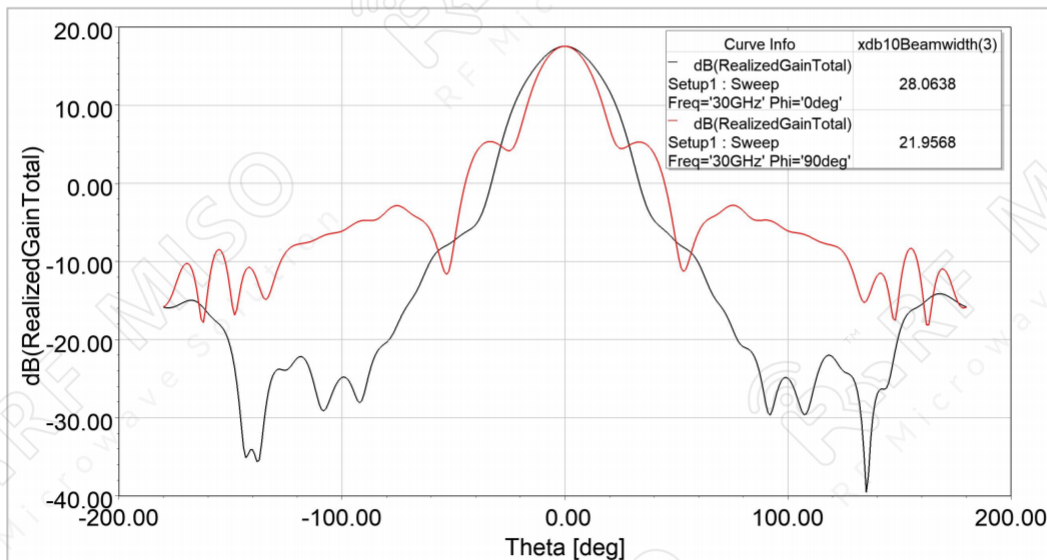
*Broadband Dual Polarized Horn Antenna
15 dBi Typ. Gain, 20-30 GHz Frequency Range*

Broadband Dual Polarized Horn Antenna Data Sheet

RM-DPHA2030-15



25 GHz



30 GHz