

Dual Circular Polarized Horn Antenna
15 dBi Typ. Gain, 18-40GHz Frequency Range

Dual Circular Polarized Horn Antenna Data

RM-DCPHA1840-15

Features

- Coaxial Adapter for RF Inputs
- Strong Anti-interference
- High Transfer Rate
- Small Size

Descriptions

RF MISO's **Model RM-DCPHA1840-15** is a dual circular polarized horn antenna that operates from 18 to 40GHz, The antenna offers 15 dBi typical gain. The antenna VSWR is 1.5 Typ. The antenna RF ports are 2.92-female coaxial connector. The antenna can be widely used in EMI detection, orientation, reconnaissance, antenna gain and pattern measurement and other application fields.

Specifications

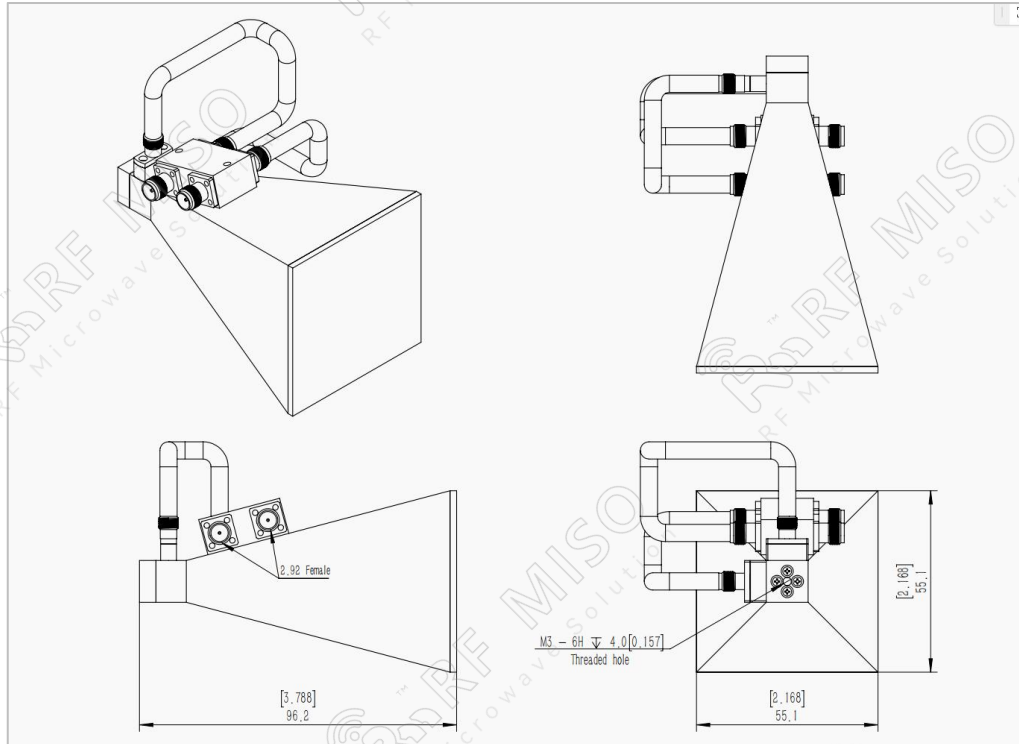
RM-DCPHA1840-15		
Parameters	Typical	Units
Frequency Range	18-40	GHz
Gain	15 Typ.	dBi
VSWR	1.5 Typ.	
Polarization	Dual Circular	
Cross Polarization	30 Typ.	dB
3dB Beam-width	12.95-23.50	°
Connector	2.92-Female	
Size (L*W*H)	96.2*55.1*55.1(±5)	mm
Weight	0.15	kg
Material	Al	
Power Handling, Peak	100	w
Power Handling, CW	20	w

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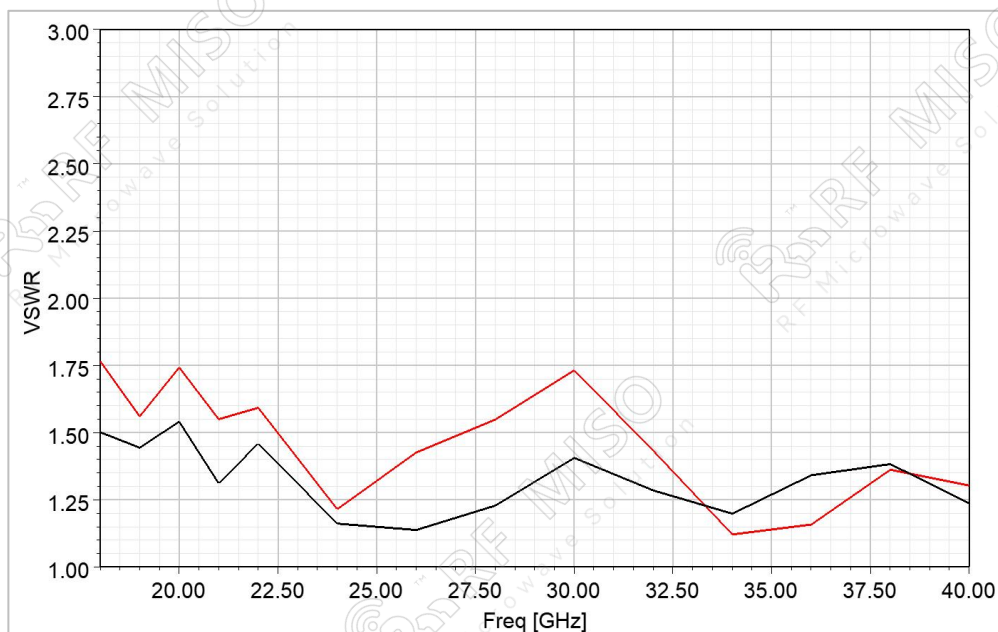
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Outline Drawing



Simulation Results:

VSWR

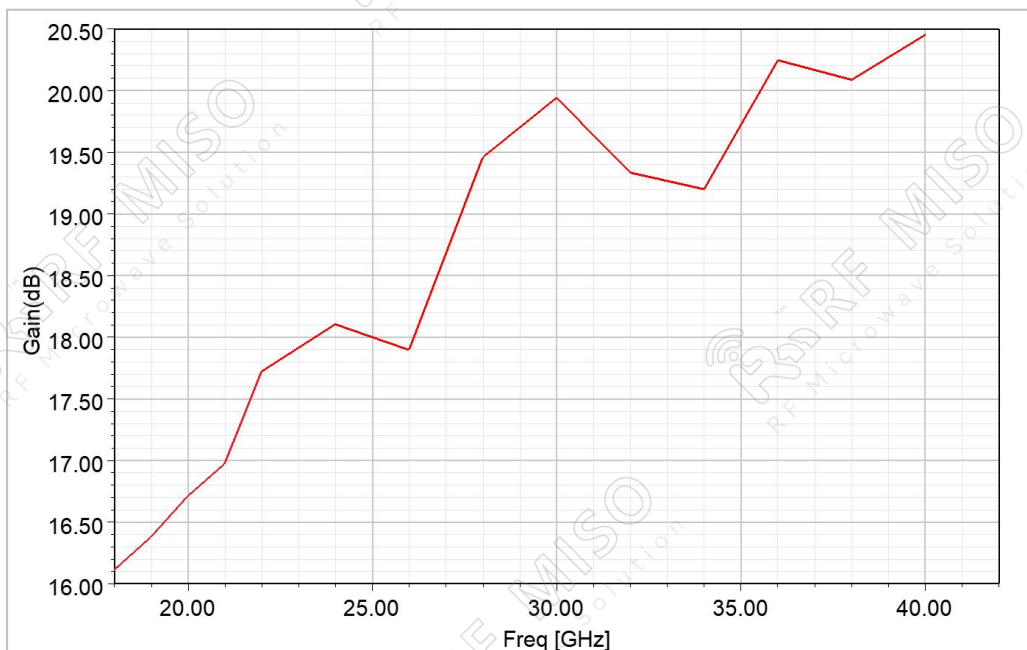


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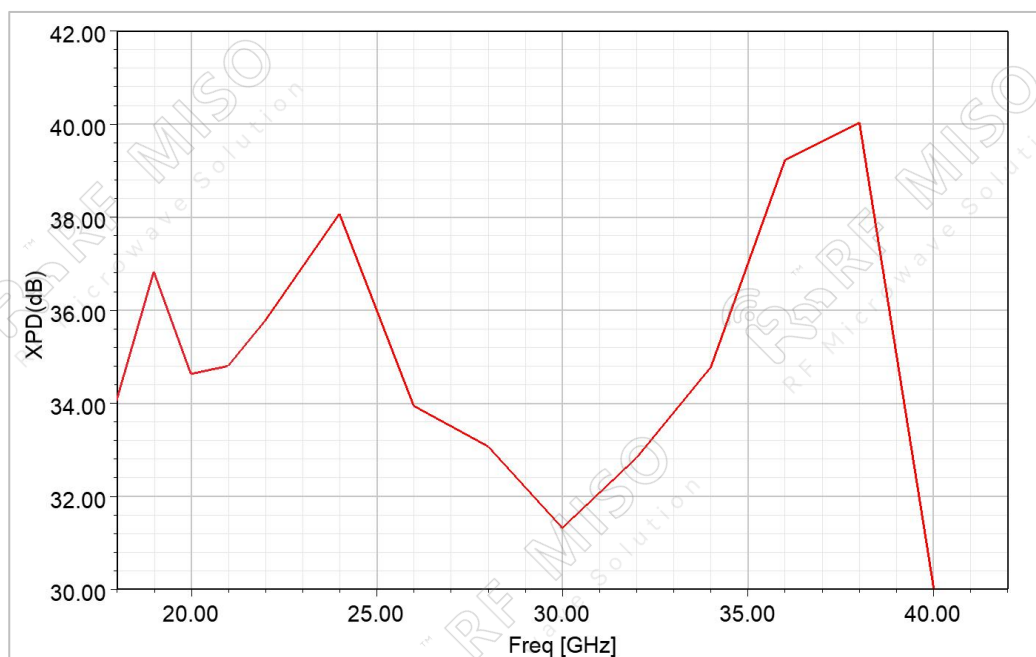
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Gain



Cross Polarization



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Gain Pattern

