

Dual circular polarization probe 10dBi Typ.Gain,
27-31GHz Frequency Range

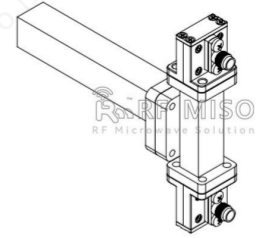
Waveguide Probe Antenna Data Sheet

RM-DCWPA2731-10

Specifications

RM-DCWPA2731-10		
Item	Specification	Units
Frequency Range	27-31	GHz
Gain	10 Typ.	dBi
VSWR	<1.3	
Polarization	Dual Circular	
Cross Polarization	37 Typ.	dB
Port Isolation	39 Typ.	dB
AR	<0.6	
3dB Beamwidth-E Plane	59 Typ.	°
3dB Beamwidth-H Plane	58 Typ.	°
Connector	SMA-F	
Size(L*W*H)	103.7*85.1*27.4(±5)	mm
Weight	0.026	Kg
Body Material	Al	
Power Handling, CW	50	W
Power Handling, Peak	3000	W

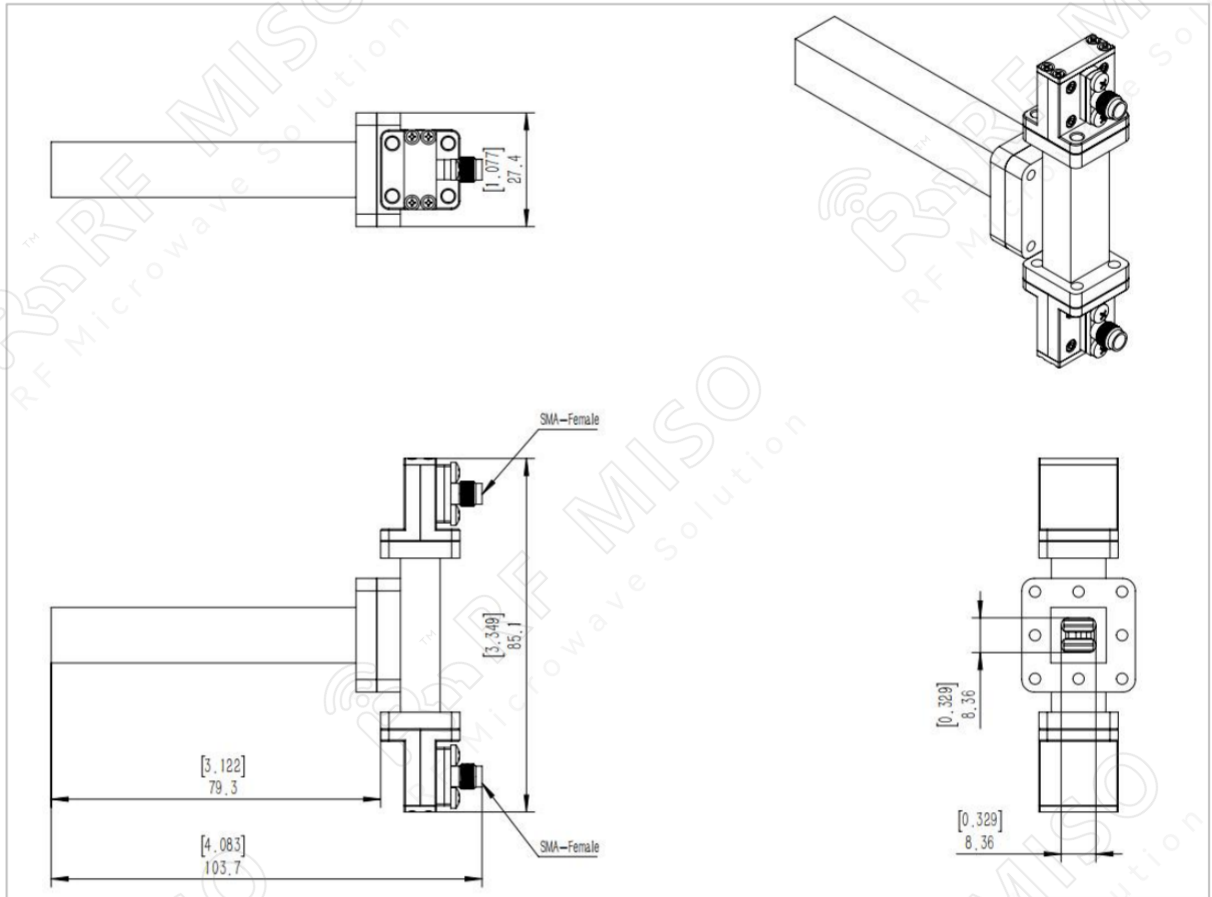
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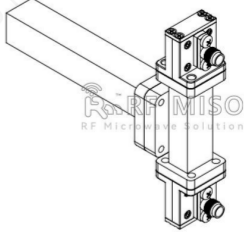


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Outline Drawing





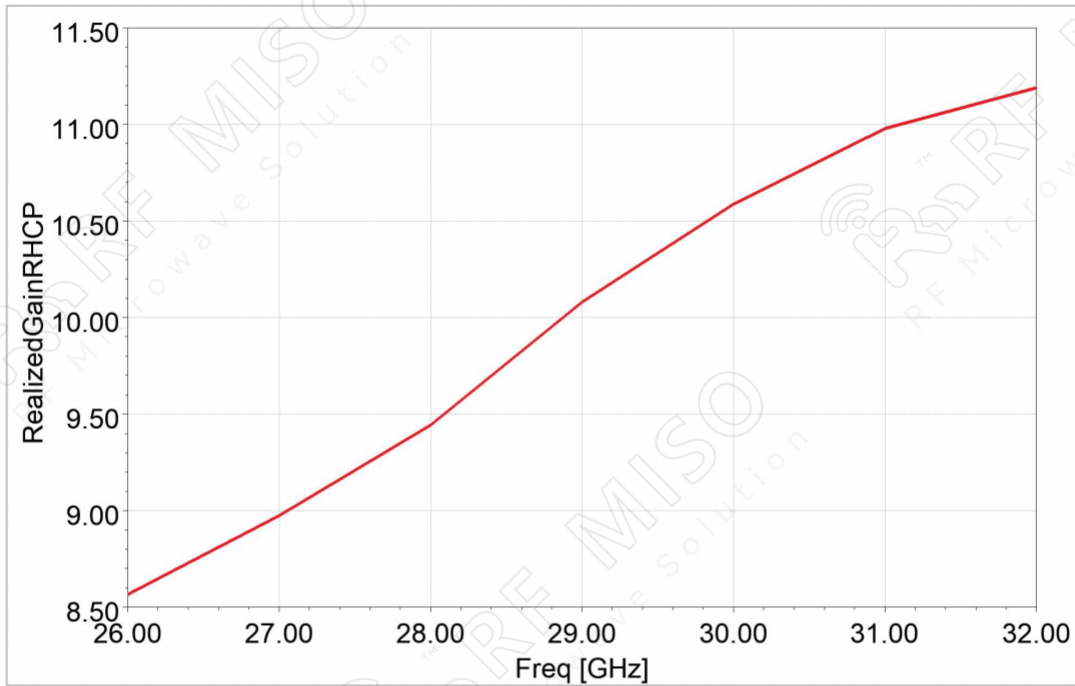
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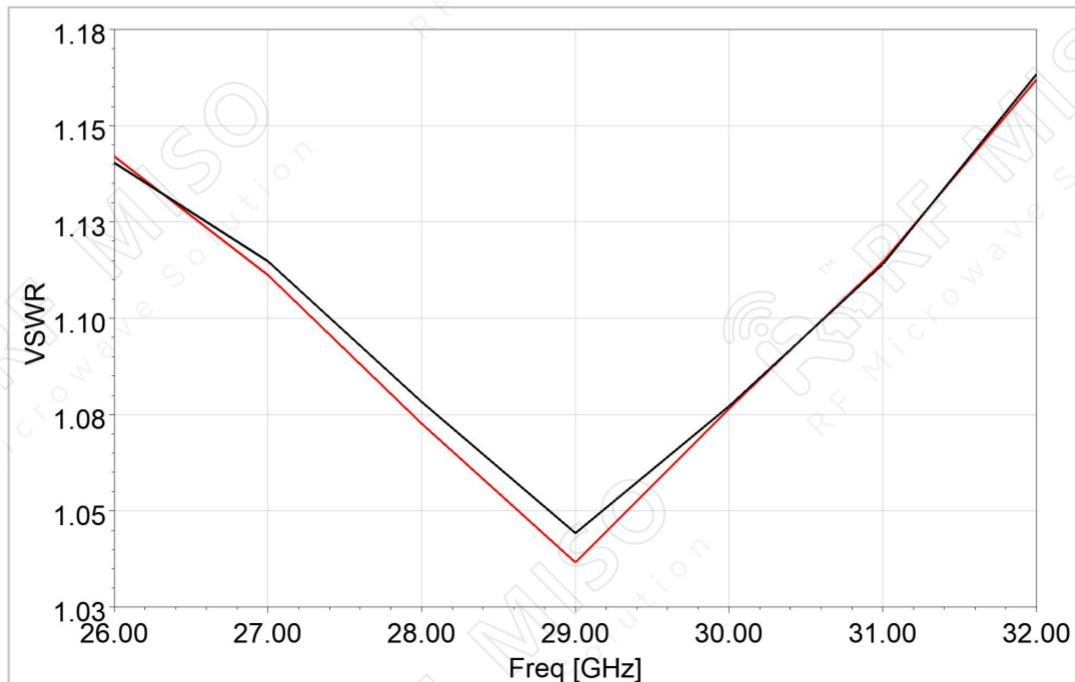
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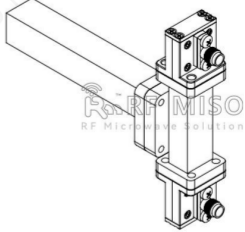
Simulated Data

Gain



VSWR



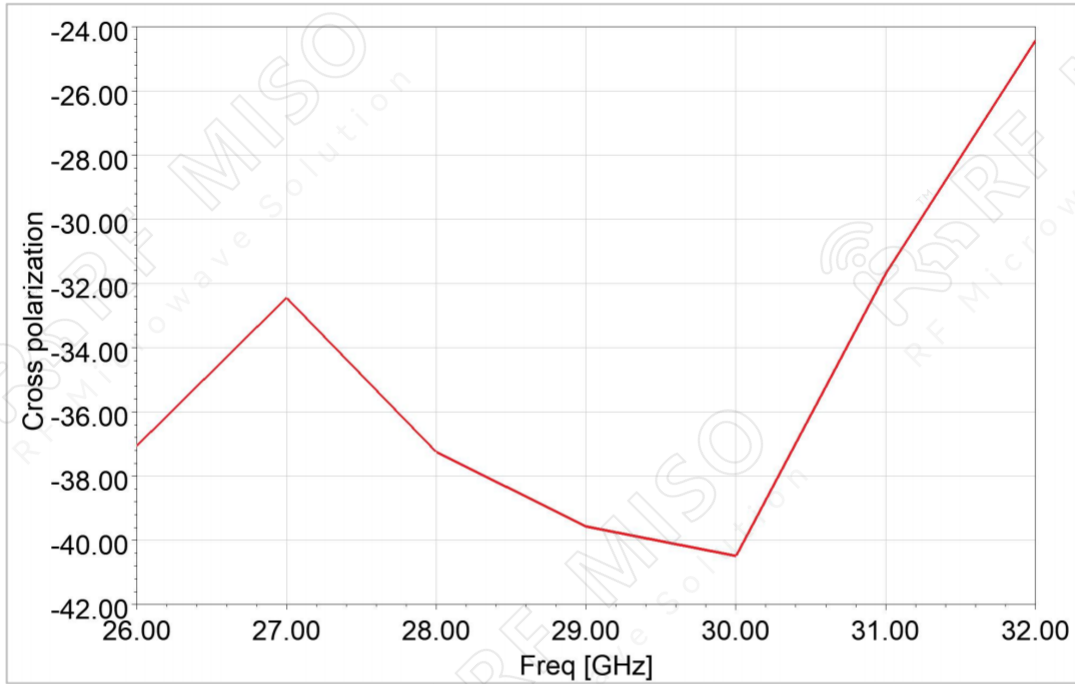


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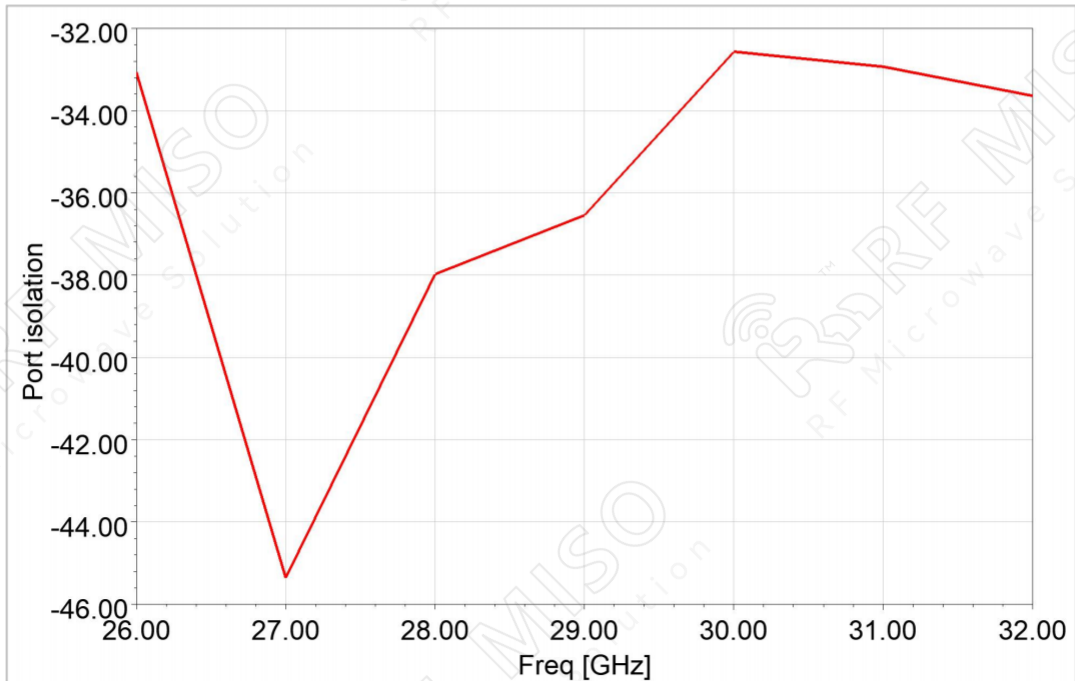
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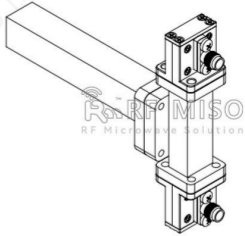
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Cross Polarization



Port Isolation



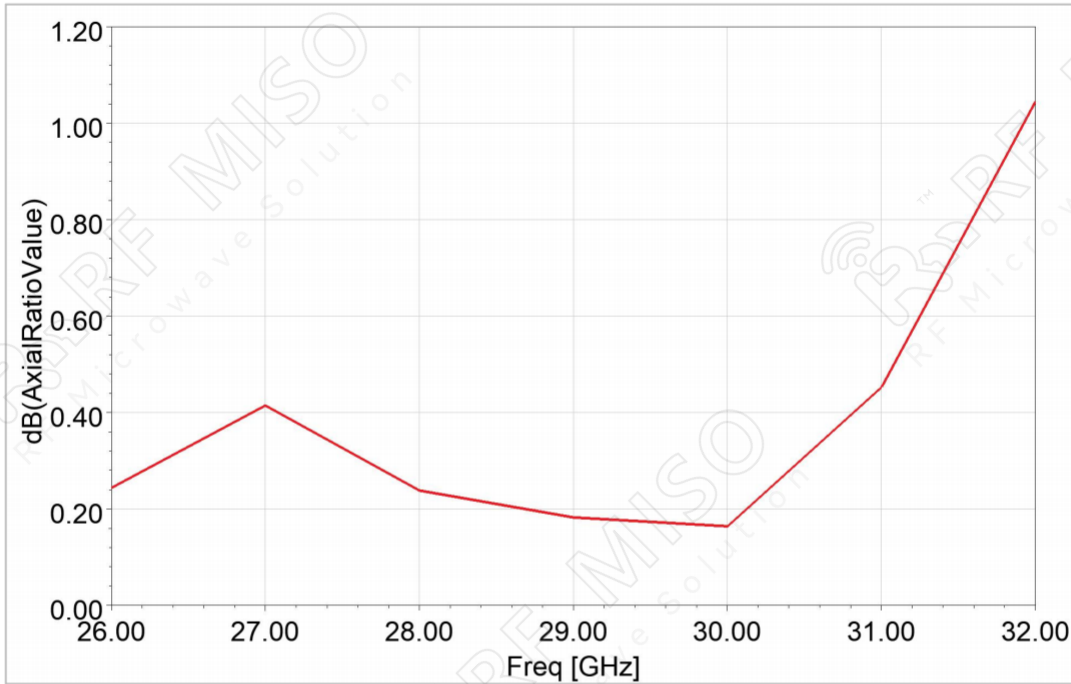


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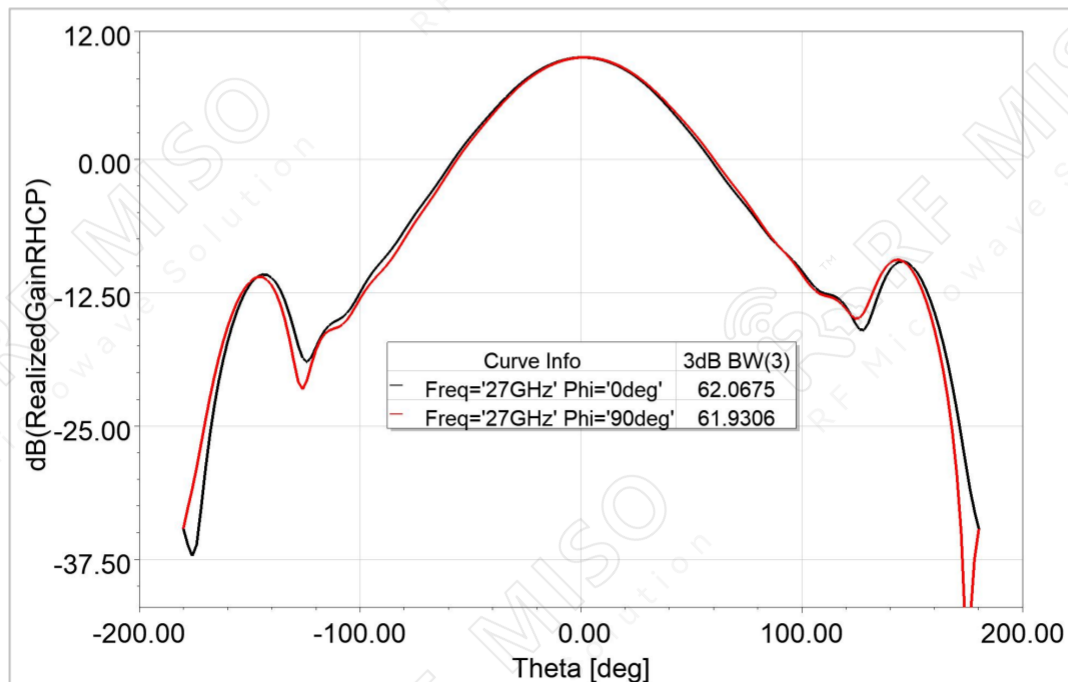
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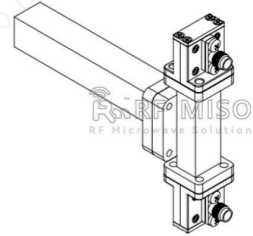
AR



Gain Pattern

27GHz



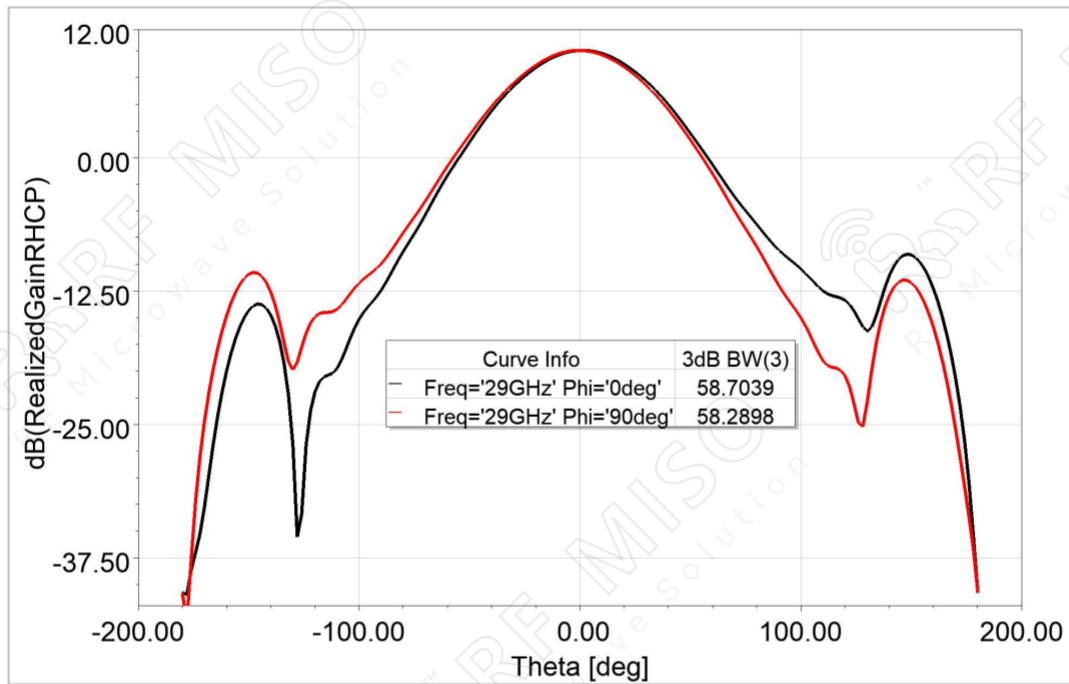


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29GHz



31GHz

