

*Dual Circular Polarized Feed Antenna
8 dBi Typ. Gain, 50-75GHz Frequency Range*

Dual Circular Polarized Feed Antenna Data Sheet

RM-DCPFA5075-8

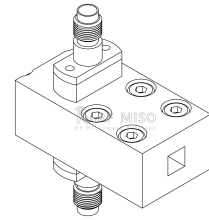
Descriptions

RF MISO's **Model RM-DCPFA5075-8** is a dual circular polarized feed antenna that operates from 50 to 75 GHz, The antenna offers 8 dBi typical gain. The antenna VSWR <2. Through the integration of dual coaxial, OMT, waveguide, efficient feed for independent transmission and reception of dual circular polarization is realized. It's very suitable for low-cost array units and embedded systems.

Specifications

RM-DCPFA5075-8		
Parameters	Typical	Units
Frequency Range	50-75	GHz
Gain	8 Typ.	dBi
VSWR	<2	
Polarization	Dual-Circular	
AR	<2	dB
3dB Beam-width	58.4°-73.4°	dB
XPD	28 Typ.	dB
connector	1.0-Female	
Size (L*W*H)	25.4*34.5*9.4(±5)	mm
Weight	0.028	kg
material	Al	
Power Handling, CW	3	W
Power Handling, Peak	5	W

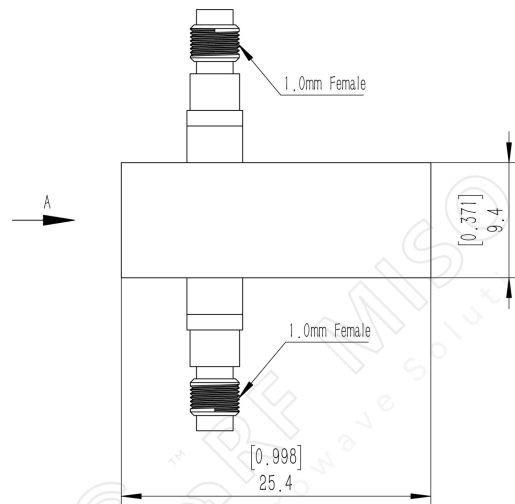
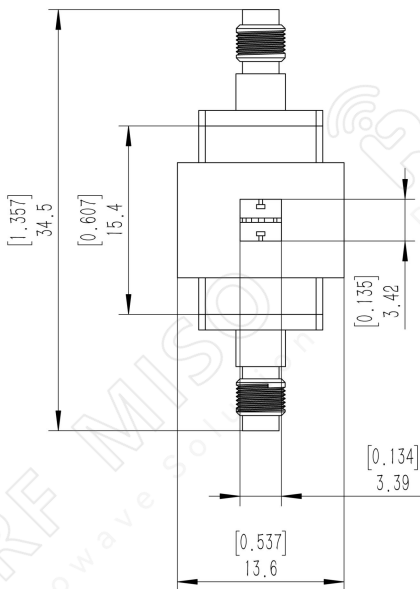
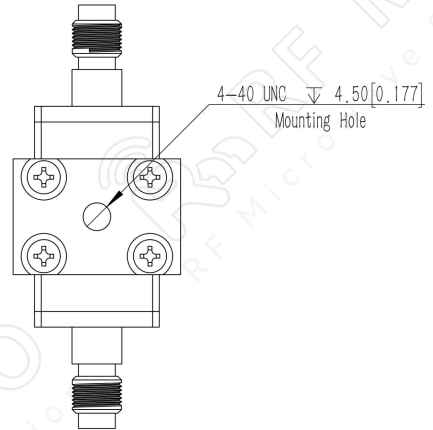
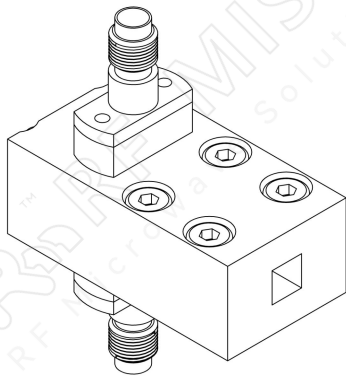
Dual Circular Polarized Feed Antenna
8 dBi Typ. Gain, 50-75GHz Frequency Range

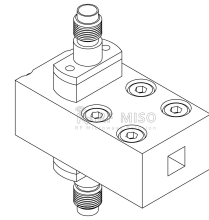


Dual Circular Polarized Feed Antenna Data Sheet

RM-DCPFA5075-8

Outline Drawing





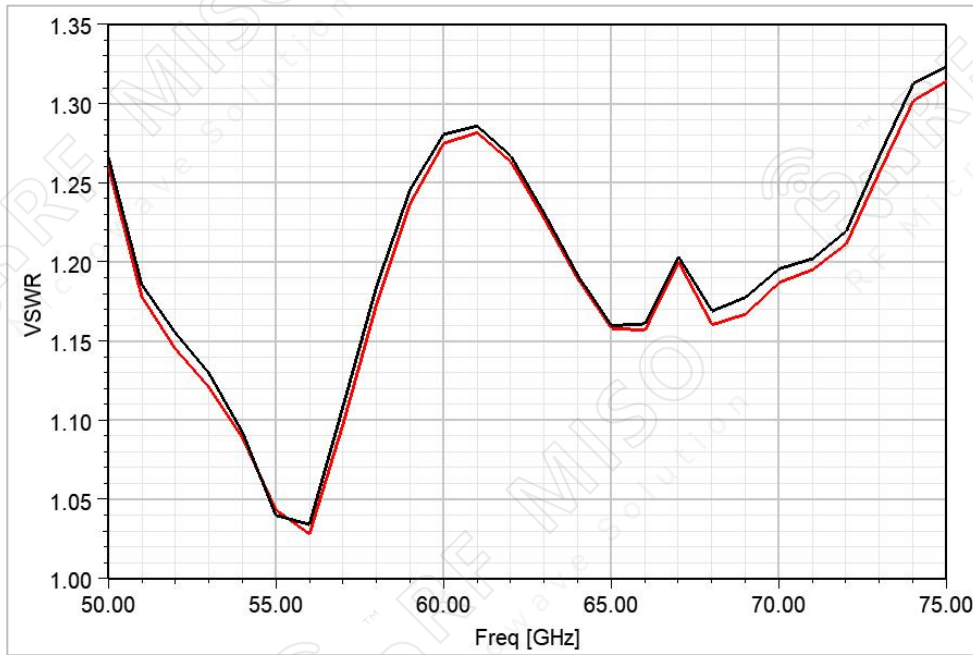
Dual Circular Polarized Feed Antenna
8 dBi Typ. Gain, 50-75GHz Frequency Range

Dual Circular Polarized Feed Antenna Data Sheet

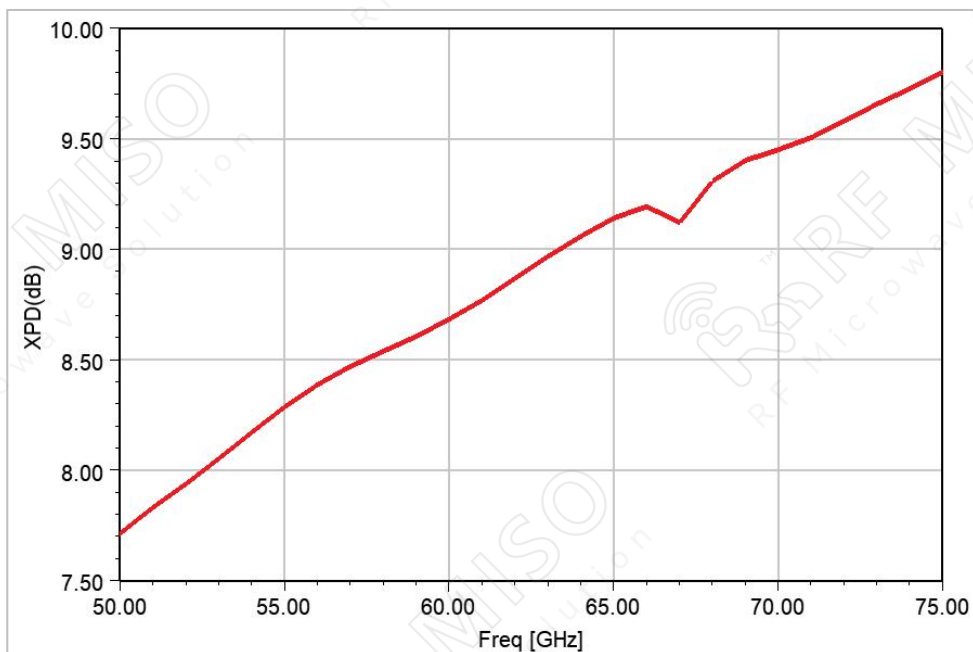
RM-DCPFA5075-8

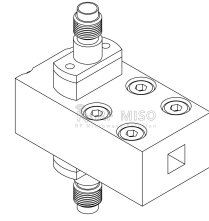
Simulation Results:

VSWR



Gain



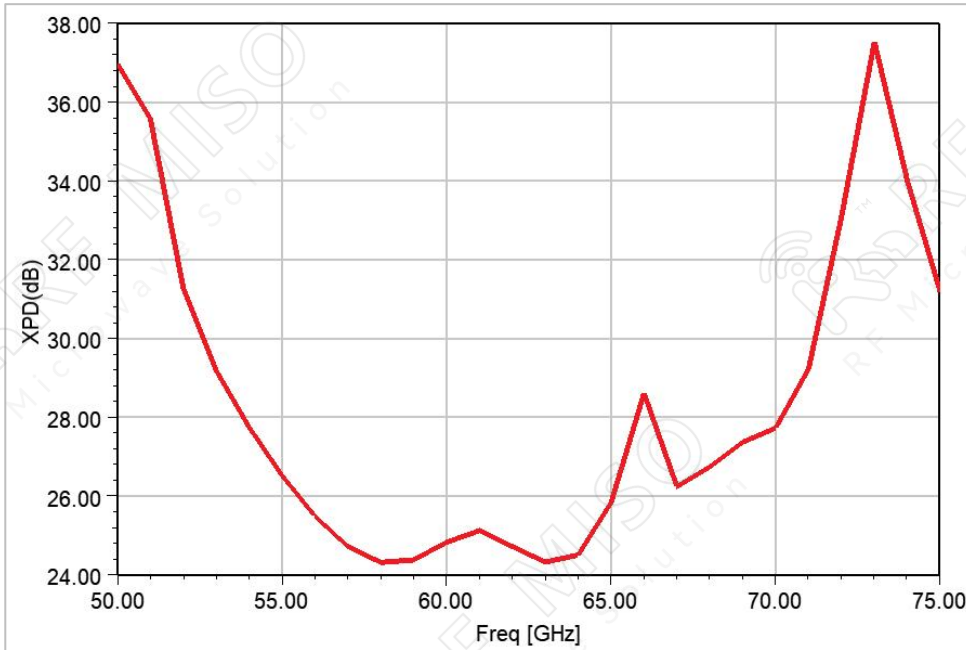


Dual Circular Polarized Feed Antenna
8 dBi Typ. Gain, 50-75GHz Frequency Range

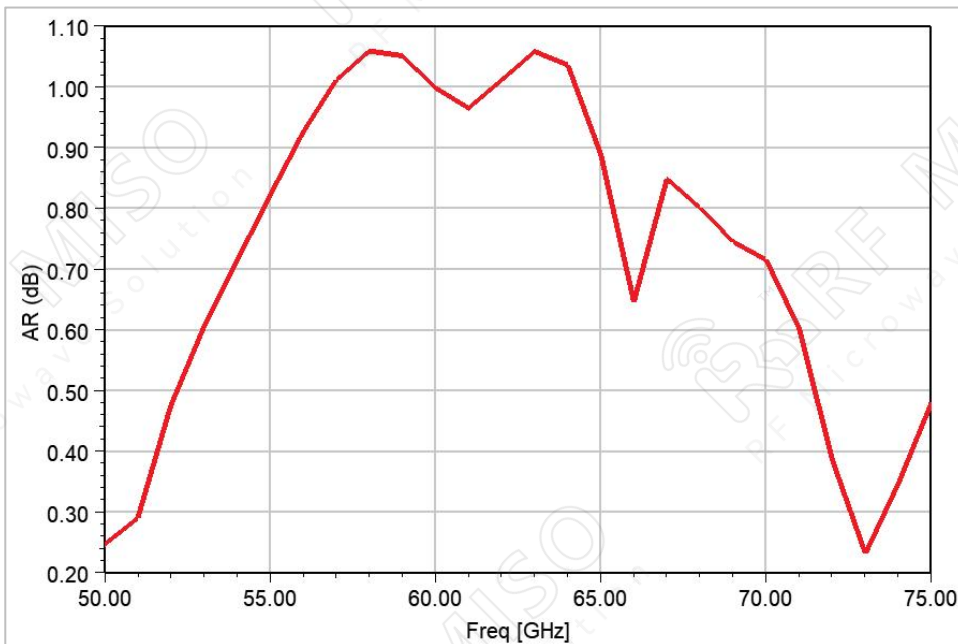
Dual Circular Polarized Feed Antenna Data Sheet

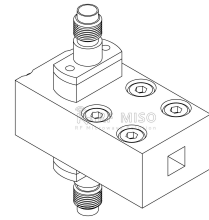
RM-DCPFA5075-8

Cross Polarization



AR





Dual Circular Polarized Feed Antenna
8 dBi Typ. Gain, 50-75GHz Frequency Range

Dual Circular Polarized Feed Antenna Data Sheet

RM-DCPFA5075-8

Pattern

