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Specification for

Embedded Antenna
SR150-Series
Vertical Polarization
5.2-5.9 GHz, 10.0dBi

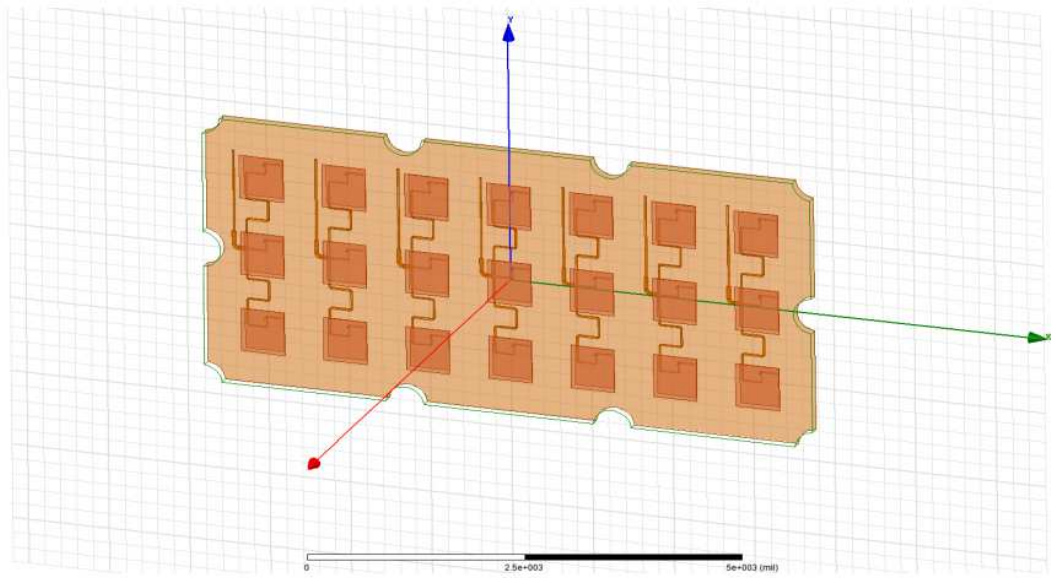
SPECIFICATION
Flat Panel Subscriber Antenna Dual Pole

MAGOS PART NUMBER	**MS9734**
Regulatory Compliance	UL, RoHS , CE 0682,
1. ELECTRICAL	
Frequency Range	5.2-5.9 GHz
Gain	10.0±1.0 dBi
VSWR	2.0 : 1 (max)
3 dB Beam width Azimuth	90° (typ)
3 dB Beam width Elevation	30° (typ)
Polarization	Linear ,Vertical
Cross Polarization	-15 dB (typ)
Port To Port Isolation	-14 dB (max) @ 5.2-5.7 GHz -17 dB (max) @ 5.7-5.9 GHz
F/B Ratio	-25 dB (typ)
Input Impedance	50 (ohm)
Input Power	6 W (max)
Lightning Protection	DC Grounded
2. MECHANICAL	
Dimensions (LxWxD)	90 x 190 x 3.5mm (max) Not include connector
Weight	0.2 (kg) (max)
Connector	integrated
Radome	2mm Polycarbonate Case
Base Plate	Embedded ground plane
Outline Drawing	Attached

3. ENVIRONMENTAL				
TEST	**STANDARD**	**DURATION**	**TEMPERTURE**	**NOTES**
Low Temperature	IEC 68-2-1	72 h	-55°C	-
High Temperature	IEC 68-2-2	72 h	+71°C	-
Temp. Cycling	IEC 68-2-14	1 h	-45°C +70°C	3 Cycles
Flammability	UL 94	-	-	CLASS HB

Note : - Antenna will be integrated into the radio PCB.

Drawing:

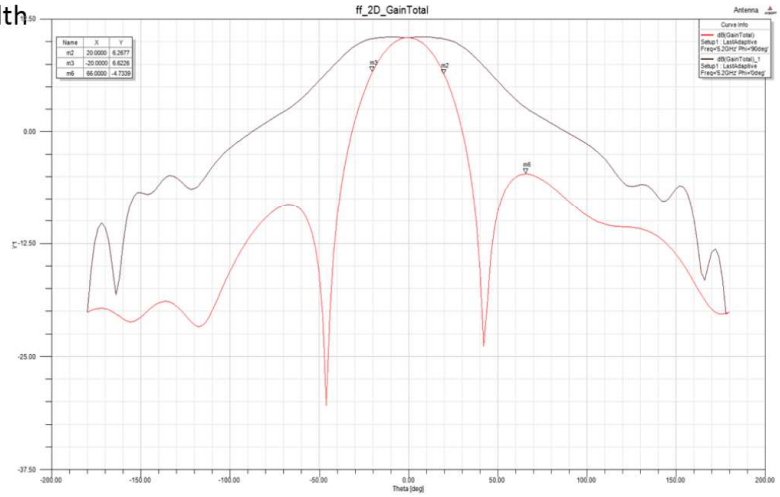


Description:

7 Element array.
Each element is composed of 3 connected patches.

Performance:

- 90° horizontal beam width at -5dB points.
- 45° Vertical beam width at -5dB points.



- 3D pattern