

4.9-6.1 GHz High Gain Dual Polarized Antenna MA-WA56-DP28IF



Specifications:

Electrical

Frequency Range	5.15 - 5.875 GHz	4.9 – 5.15 GHz	5.875 – 6.1 GHz
GAIN,			
V-Pol:	29 ± 0.5 dBi	28.5 ± 0.5dBi	28.5 ± 0.5dBi
H-Pol:	28.5 ± 0.5dBi	28± 0.5dBi	28± 1 dBi
VSWR, max.	1.7 : 1	2 : 1	2 : 1
Polarization	Dual Polarization V& H		
3 dB Beam-Width, H-Plane, typ.	4.7°	5.2°	4.4°
3 dB Beam-Width, E-Plane, typ.	4.7°	5.2°	4.4°
Side Lobes, min.	ETSI TS3		
Cross Polarization, min.			
V-Pol:	-23 dB	-26 dB	-23 dB
H-Pol:	-23 dB	-25 dB	-20 dB
Front to Back Ratio, min.	ETSI TS3		
Port to Port Isolation, typ.	- 30 dB		
Input power, max	5 Watt		
Input Impedance	50 Ohm		
Lightning Protection	DC Grounded		

Mechanical

Dimensions (HxWxD)	600 x 600 x 22 mm
Connector	2 x SMA Female Right Angle
Weight	4.7 Kg
Mounting	Studs Provision for Infinet Radio
Radome	UV Protected, Polycarbonate
Back Plane	Aluminum protected through chemical passivation

Environmental

Operating Temperature Range	- 55°C to + 65°C
Vibration	According to IEC 60721-3-4
Wind Load	200 Km/h (Survival)
Flammability	UL94
Water Proofing	IP-67
Humidity	ETS 300 019-1-4,EN 302 085 (Annex A.1.1)
Salt Fog	According to IEC 68-2-11

Specifications subject to change without notice