



4.7 - 6.425 GHz High Gain, Wideband ,Dual Polarized/Dual Slant Antenna MA-WA56-DP28NIF

MARS 5 GHz Dual Polarized Antenna designed to provide full coverage for the 5 GHz frequency band.

Additional Features:

- efficient and stable performance
- high gain/size ratio
- durable construction
- UV protected radome made of polycarbonate allowing for harsh weather installations



Specifications:

Electrical									
Frequency range	4.7-4.9 GHz	4.9-5.15 GHz	5.15-5.875 GHz	5.875-6.1GHz	6.1-6.425 GHz				
GAIN V-Pol	28±1dBi	28.5±0.5 dBi	29±0.5 dBi	28.5±0.5dBi	27.5±1 dBi				
H-Pol	27±1dBi	28±0.5 dBi	28.5±0.5 dBi	28 ± 1 dBi	27 ± 1 dBi				
VSWR, max.	2.7:1	2:1	1.7:1	2:1	2.3:1				
Polarization	Dual Pole Dual Slant(Optional)	Dual Polarization V&H ±45°							
3 dB Beam-Width, typ									
H-Plane,.	5.5°	5.2°	4.7°	4.4°	5°				
E-Plane,	5.5°	5.2°	4.7°	4.4°	5°				
Side Lobes, min.		ETSI TS3							
Cross Polarization, min.					ETSI TS 2				
V-Pol	-26 dB	-26 dB	-23 dB	-23 dB	-23 dB				
H-Pol	-23 dB	-25 dB	-23 dB	-20 dB	-15 dB				
Front to Back Ratio, min.		ETSI TS3							
Port to Port Isolation, typ.		-30 dB							
Input power, max		10 Watt							
Input Impedance		50 Ohm							
Lightning Protection		DC Grounded							
Mechanical									
Dimensions (HxWxD)	600 x 600 x 22 mm (23.5"x 23.5"x 0.86")								
Weight	4.7 kg								
Connector	2x SMA Right Angle Female								
Back Plane	Aluminum ; protected through chemical passivation								
Radome	UV Protected, Polycarbonate								
Mount	Studs Provision for Infinet Radio								
Environmental									
Operating Temperature Range	- 40°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								