

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 Polarization V&H				
Dual Slant(Optional)		±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				ETSI TS 2	
Cross Polarization, min.						
	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					