

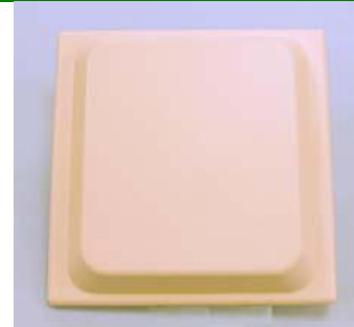
MA-WA56-DP19

4.9-6.1 GHz Dual Polarization/Dual Slant Subscriber Antenna

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

Additional Features:

- Dual slant if mounted diagonally.
- Efficient and stable performance.
- High gain/size ratio.
- Light weight and durable construction.
- UV protected radome made of polycarbonate allowing for harsh weather installations.
- Easy mounting allowing for Az/EI adjustment and 45deg. turn installation.



Specifications

Electrical

Frequency range	4.9-5.875 GHz	5.875-6.1 GHz
GAIN	19 ± 1 dBi	19 ± 1 dBi
VSWR, max.	1.7 : 1	2 : 1
Polarization	Linear, Vertical & Horizontal	
Dual Pole	±45°	
Dual Slant (opt.)		
3 dB Beam-Width, H-Plane, typ.	16°	
3 dB Beam-Width, E-Plane, typ.	16°	
Side Lobes, min.	ETSI TS2	
Cross Polarization	-20 dB	
Port to Port Isolation	-30 dB	
Front to Back Ratio, min.	ETSI TS2	
Input power, max.	10 Watt	
Input Impedance	50 Ohm	
Lightning Protection	DC Grounded	

Mechanical

Dimensions (HxWxD)	200 x 200 x 33 mm (7.9" x 7.9" x 1.25")
Connector	See ordering options
Weight	400 gr.
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Enclosure - Small	171 x 167 x 68 mm. (External dimension)
Mounting	See ordering options

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

Ordering Options

MA-WA56-DP19	Antenna 2 x N-Type Female connectors Suited for MNT-23 mount
MA-WA56-DP19B	Antenna 2 x N-Type Female connectors with MNT-23 mount
MA-WA56-DP19SMES	Antenna 2 x SMA RA Female connectors, enclosure with MNT-22 mount
MA-WA56-DP19SMESZ	Antenna 2 x SMA RA Female connectors, enclosure with PEMs and MNT-22 mount

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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