

MA-WA78-DP19N

7-8 GHz Dual Polarization Subscriber Antenna

MARS 7-8 GHz Dual Polarized Antenna designed to provide full coverage for the 7 & 8 GHz frequency band.

Additional Features:

- Efficient and stable performance.
- High gain/size ratio.
- Light weight and durable construction.
- UV protected radome made of polycarbonate suitable for harsh weather installations.



Specifications

Electrical

Frequency range	7-8 GHz
GAIN, typ.	19 ± 1 dBi
VSWR, max.	1.7 : 1
Polarization	Linear, Vertical & Horizontal
3dB Beam-Width, H-Plane, typ.	16°
3dB Beam-Width, E-Plane, typ.	16°
Side Lobes, typ.	-12 dB
Cross Polarization, typ.	-15 dB
Front to Back Ratio, min.	-25 dB
Port to Port Isolation, typ.	-25 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	155 x 155 x 28 mm (6.1" x 6.1" x 1.1")
Connector	2 x N-Type, Female
Weight	250 gr.
Mounting	See ordering options
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

Ordering Options

MA-WA78-DP19N	Antenna Suited for MNT-23 (optional wall/pole adjustable mount)
MA-WA78-DP19NB	Antenna with MNT-23 mount

Patterns are available on our website

Mars Antennas & RF Systems proprietary information

MARS reserves the right to make technical changes or modifications to any of its products and specifications without prior notice and without implementing such changes to prior supplied products. Product images are representative and indicative only. Warranty terms and general conditions of sale are applicable on any purchase of any product, available on MARS website.

3 Hamanor st. Holon 58861, P.O.Box 5 AZOR 58008, Israel

Tel: +972-3-5599661 • Fax: +972-3-5599677 • e-mail: mars@marsant.co.il • web: www.mars-antennas.com