MARS ANTENNAS & RF SYSTEMS LTD.

RoHS COMPLIANT 2011/65/EU

MA-WA62-30

4.9-6.5 GHz High Gain Subscriber Antenna

MARS High Gain Broadband Antenna covers the **full** 5GHz and 6GHz spectrum.

Antenna Features:
- Exceptionally high gain over the entire frequency band.
- Efficient and stable performance.
- High gain.
- Durable construction.
- UV protected radome made of polycarbonate.

Specifications

Electrical			
Frequency range	4.9-6.5 GHz		
GAIN, typ.	4.9-5.15 GHz 28.5 dBi	5.15-5.875 GHz 29 dBi	5.875-6.5 GHz 30 dBi
VSWR, max.	1.8 : 1 @ 4.9-5.3 GHz 1.7 : 1 @ 5.3-6.5 GHz		
Polarization	Linear ,Vertical		
3 dB Beam-Width, H-Plane, typ.	4.5°		
3 dB Beam-Width, E-Plane, typ.	4.5°		
Side Lobes, min.	-12 dB		
Cross Polarization, typ.	-29 dB		
Front to Back Ratio, min.	-40 dB		
Input power, max.	10 Watt		
Input Impedance	50 Ohm		
Lightning Protection	DC Grounded		
Mechanical			
Dimensions (HxWxD)	600 x 600 x 30 mm (23.5" x 23.5" x 1.2")		
Weight	4.5 kg		
Connector	N-Type, Female		
Back Plane	Aluminum protected through chemical passivation		
Radome	UV Protected, Polycarbonate		
Mount	See ordering options		
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		

Ordering Options

MA-WA62-30	Antenna Suited for MNT-60A (optional wall/pole adjustable mount)
MA-WA62-30B	Antenna with MNT-60A mount

3 Hamanor st. Holon 5886103, P.O.Box 1852 Holon 5811801, Israel
Tel: +972-3-5599661 • Fax: +972-3-5599677 • e-mail: mars@marsant.co.il • web: www.mars-antennas.com