MARS ANTENNAS & RF SYSTEMS LTD.

RoHS COMPLIANT 2011/65/EU

MA-WD62-DS16

5.7-6.425 GHz Dual Slant Base Station Antenna, 90°

MARS Dual Slant ±45 degrees 90° sector antenna features:

- Efficient and stable performance with 15.5 dBi of gain.
- Full 5.7-6.425 GHz band coverage.
- High Isolation ratio.
- Compact size.
- Optional Azimuth & Elevation Adjustable mount.
- UV protected radome suitable for harsh environment installations.
- Square shape.

Specifications

Electrical	
Frequency range	5.7-6.425 GHz
GAIN, typ.	15.5 dBi
VSWR, max.	1.7 : 1
Polarization	Dual Slant ±45°
3 dB Beam-Width, Azimuth, typ.	90°
3 dB Beam-Width, Elevation, typ.	8.5°
Side Lobe level (Elevation),min.	-12 dB
Front to Back Ratio.	-35 dB
Cross Polarization, min.	-15 dB
Port to Port Isolation	-40 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded
Mechanical	
Dimensions (HxWxD)	370 x 370 x 40 mm (14.5” x 14.5” x 1.6”)
Weight	1.8 kg.
Connector	2 x 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
Ice and Snow	25mm radial (survival)

Ordering Options

MA-WD62-DS16	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WD62-DS16B	Antenna with MNT-22 mount

Patterns are available on our website

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