MARS ANTENNAS & RF SYSTEMS LTD.

RoHS COMPLIANT 2011/65/EU

MA-WC47-DP16

4.4-5.1 GHz Dual Polarized Base Station Sector Antenna, 60˚

MARS 60˚ Broadband Dual Polarized Base Station Sector Antenna provides a cost effective solution for large scale of applications.

Additional Features:

- Stable performance with 16 dBi of gain.
- Tilt mount allowing quick and easy installation.
- UV protected radome suitable for harsh environment installations.

Specifications

Electrical	
Frequency range	4.4-5.1 GHz
GAIN, typ.	16 dBi
VSWR, max.	1.7 : 1
Polarization	Dual Vertical & Horizontal
3 dB Beam-Width, H-Plane, typ.	60˚
3 dB Beam-Width, E-Plane, typ.	9˚
Side Lobes, typ.	-12 dB
Cross Polarization, min.	-20 dB
Front to Back Ratio, min.	-30 dB
Port to Port Isolation, min.	-35 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	2 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-WC47-DP16	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WC47-DP16B	Antenna with MNT-22 mount

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