MARS ANTENNAS & RF SYSTEMS LTD.

MA-WO25-DP8

2.3-2.7 GHz Dual Polarization Omni Directional Antenna

MARS 2.3-2.7 GHz Dual Polarization provides a stable and efficient performance with 7.5 dBi of gain and cost effective solution for large-scale applications and systems such as 802.11-Point To Point, WLAN access points, mesh Networks, ISM, WiMAX and more.

The Elevation Patterns are without any deviation from the horizon in full band.

Specifications

Electrical	
Frequency Range	2.3 - 2.7 GHz
GAIN, typ.	7.5 dBi
VSWR,	1.7 : 1 typ. 2 : 1 max.
Polarization Dual Pole	Vertical & Horizontal
3 dB Beam-Width, Azimuth, typ.	Omni - Directional
3 dB Beam-Width, Elevation, typ.	22°
Port to Port Isolation	30 dB typ. ; 25 dB min.
Input power, max.	10 Watt
Lightning Protection	DC Grounded
Input Impedance	50 Ohm
Mechanical	
Dimensions (HxDia.)	650 x 70 mm (25.6" x 2.75")
Weight	750 gr.
Connector	2x N-Type, Female
Radome	UV Protected Plastic
Mount	2” Pole Mount
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-65
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)
Salt Fog	According to IEC 68-2-11

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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