MARS ANTENNAS & RF SYSTEMS LTD.

RoHS COMPLIANT 2011/65/EU

MA-WOLTE-DP1

698 MHz – 6.5 GHz Multi Band Dual Polarized Omni Antenna

MARS Multi Band Omni Antenna covers continuously all the bands from 698 to 6500 MHz in Vertical Polarization and 2.3-2.7 GHz & 4.9-5.875 GHz Band in Horizontal Polarization in a single antenna radome.
The antenna is aesthetic and has unobtrusive profile that blends easily with any environment.
The antenna is easy-installed and is highly recommended as an outstanding logistic solution for fast deployments and "In-Building" installations. The antenna is available also for outdoor applications.

The antenna is PIM certified thus making it suitable for all multi-carrier systems.

Specifications

Electrical

Polarization	Horizontal		Vertical				
Frequency range	2.3-2.7 GHz	4.9-5.875 GHz	698-960 MHz	1.71-2.17 GHz	2.3-2.7 GHz	3.3-3.8 GHz	4.9-6.5 GHz
GAIN, typ.	5 dBi	5 dBi	4 dBi	5 dBi	5.5 dBi	7 dBi	7.5 dBi
VSWR, max.	2 : 1						
Input power, max.	10 Watt						
Input Impedance	50 Ohm						
PIM, 3rd order, 2X20W (optional)	<-150 dBc						
Port to Port Isolation, typ.	-40 dB						

Mechanical

Dimensions (HxWxD)	Base Diameter – 275 mm, Height – 190 mm
Weight	400 gr.
Connector	2 x N-Type, Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Plastic
Mount	Ceiling Mounting

Environmental

Operating Temperature Range	-40°C to +65°C
Vibration	According to IEC 60721-3-4
Water Proofing	See Ordering Options
Flammability	UL94
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)

Ordering Options

MA-WOLTE-DP1	Antenna Indoor
MA-WOLTE-DP1R	Antenna Outdoor (IP67)
MA-WOLTE-DP1P	Antenna Indoor PIM certified
MA-WOLTE-DP1RP	Antenna Outdoor (IP67) PIM certified

Patterns are available on our website

Patent Pending

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