



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

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Electrical								
Polarization	Horizontal		Vertical					
Frequency range	2.3-2.7 4.9-5.875		698-960	1.71-2.17	2.3-2.7	3.3-3.8	4.9-6.5	
Frequency range	GHz	GHz	MHz	GHz	GHz	GHz	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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