

MT-403023/N

3.3–3.7 GHz, 10.0 dBi Omni Directional Antenna



Electrical

Regulatory Compliance	ETSI EN 302 085 V1.2.2 (2003-08) RoHS , CE 0682
Frequency Range	3.3–3.7 GHz
Gain + Azimuth Ripple	8.0 dBi ± 1 dB @ 3.3 – 3.4 GHz 9.0 dBi ± 1 dB @ 3.4 – 3.6 GHz 7.0 dBi ± 1.5 dB @ 3.6 – 3.7 GHz
VSWR	2:1 max @ 3.3 – 3.4 GHz 1.7:1 max @ 3.4 – 3.6 GHz 2:1 max @ 3.6 – 3.7 GHz
Azimuth Beamwidth	360°
Polarization	Linear Vertical
E-Plan Beamwidth	7° typ
Cross Polarization Discrimination	-20 dB max
E-Plan Side Lobe	-10 dB typ @ 3.3 – 3.6 GHz -4 dB typ @ 3.6 – 3.7 GHz
Electrical Tilt	±1° max
Input Impedance	50 ohm
Input Power	25 W max
Lightning Protection	DC Grounded
Mounting Kit	Mounted to pole ø1.5" – ø3" by the means of 2 clamps.

Mechanical

Dimensions D x H	730 x 28 mm max
Weight	0.5 Kg max
Connector	N- type female
Radome	Plastic, UV Resistant
Base Plate	Aluminum with chemical conversion coating

Environmental

Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72 h	-55 °C	
High Temperature	IEC 68-2-2	72 h	+71 °C	
Temp. Cycling	IEC 68-2-14	1 h	-45°C to +70°C	3 Cycles
Vibration	IEC 60721-3-4	30 min/axis		Random 4M5
Shock Mechanical	IEC 60721-3-4			4M5
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP67
Solar Radiation	ASTM G53	1000 h		
Salt Spray	IEC 68-2-11 Ka	500 h		
Ice And Snow				25mm Radial
Wind Speed Operational				160 Km/h

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