

MT-463007/NV/A

4.9 – 5.15 GHz 10.5 dBi Omni Directional Antenna

Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	4.9 – 5.15 GHz
Gain	10.5 ±0.5 dBi
VSWR	1.7:1 max
Gain Ripple	10 ±1 dB
Azimuth Beam Width	360°
Azimuth Ripple	±1 dB
Polarization	Vertical
E-Plane Beam Width	7° typ
E-Plane Side Lobes	-10 dB typ
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	Ø28 x 500 mm max
Weight	0.5 kg max
Connector	N – type male
Radome	Plastic
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 +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	168 h	
Ice And Snow				25 mm Radial
Wind Speed	Survival			220 Km/h
	Operation			160 Km/h

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11 Hamelacha st. Afek Industrial Park, Rosh-Ha'ayin 4809121 | Tel. +972.3.9008900 | Fax. +972.3.9008901