MT-464032/NVH

5.15 – 5.875 GHz 16 dBi 90° Dual Pol Sector Antenna

Wireless Edge
Antenna Solutions
An MTI Company

Electrical	
Regulatory Compliance	RoHS, CE 0682
Frequency	5.15 – 5.875 GHz
Gain	16 dBi ± 0.5 dB
VSWR	1.7:1 max
3 dB Azimuth Beam Width	90° typ
3 dB Elevation Beam Width	5.5° typ
Polarization	Vertical and Horizontal
Side Lobes Level	10 dB typ
Isolation	40 dB min
Electrical Down Tilt	1° max
Azimuth Cross Polarization	20 dB typ
Elevation Cross Polarization Discrimination	20 dB typ
F/B Ratio	30 dB max
Input Impedance	50 ohm
Input Power	10 W max
Lightning Protection	DC Grounded

Mechanical	
Dimensions	536 x 360 x 30 mm max
Weight	2.9 kg max
Connector	2 x N–type Female
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		
Flammability		UL 94			Class HB
Salt Spray		IEC 68-2-11 Ka	500 h		
Ice And Snow					25 mm Radial
Wind Speed	Survival				220 Km/h
	Operation				160 Km/h
Wind Load Survival	Front Thrust				56.4 kg
	Side Thrust				4.6 kg

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