MT-484052/NVH

4.9 – 5.875 GHz 16 dBi Dual Pol Directional Antenna

Wireless Edge Antenna Solutions
An MTI Company

Electrical	
Regulatory Compliance	RoHS, CE 0682
Frequency	4.9 - 5.875 GHz
Gain	14.5 ± 0.5 dBi @ 4.9 - 5.15 GHz 15.5± 0.5 dBi @ 5.15 - 5.25 GHz 16 ± 0.5 dBi @ 5.25 - 5.8 GHz 15 ± 0.5 dBi @ 5.8 - 5.875 GHz 14± 0.5 dBi @ 5.875 - 5.95 GHz
VSWR	1.5:1 typ, 2:1 max
Azimuth Beam Width	33° typ
Elevation Beam Width	20° typ
Polarization	Dual Linear Vertical and Horizontal
Side Lobes Level	-12 dB typ
Cross Polarization	-15 dB typ
Beam Squint	3° typ
F/B Ratio	-25 dB max, -35 dB typ
Port to Port Isolation	25 dB min, 30 dB typ
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical	
Dimensions	190 x 190 x 30.3 mm max
Weight	0.7 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		
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				10.5 kg
	Side Thrust				1.6 kg

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