MT-365012/NVH

2.4– 2.7 GHz 19 dBi Dual Pol Directional Antenna

Wireless Edge Antenna Solutions
An MTI Company

Electrical	
Regulatory Compliance	ETSI EN 302 326-3 V1.1.2. (2006-03) RoHS, CE 0682
Frequency	2.4 – 2.7 GHz
Gain	19 ±1 dBi
VSWR	1.5:1 typ, 2.0:1 max
3 dB Beam Width	16° typ
Beam Squint Port V & Port H	± 2°
Polarization	Dual Linear Vertical or Horizontal
Cross Polarization	ETSI EN 302 326-3 V1.1.2. DN4
Side Lobes Level	ETSI EN 302 326-3 V1.1.2. DN4
F/B Ratio	ETSI EN 302 326-3 V1.1.2. DN4 -30 dB max
Port to Port Isolation	30 dB min
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical	
Dimensions	371 x 371 x 40 mm max
Weight	2.5 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			IP64
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				39.6 kg
	Side Thrust				4.3 kg

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