MT-223005/N

746 - 777 MHz 9.5 dBi Directional Antenna

Wireless Edge
Antenna Solutions
An MTI Company

Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	746 – 777 MHz
Gain	9.5 dBi min
VSWR	2:1 max
3 dB Azimuth Beam Width	42° ±3°
3 dB Elevation Beam Width	55° ±3°
Polarization	Linear Vertical or Horizontal
Azimuth Cross Polarization	-26 dB max
Elevation Cross Polarization	-26 dB max
F/B Ratio	-25 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	450 x 450 x 30 mm max
Weight	3 kg max
Connector	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			IP63
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 Speed 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