MT-282025/ND

1.3 – 1.525 GHz 10 dBi Dual Slant Directional Antenna

Wireless Edge
Antenna Solutions
An MTI Company

Electrical

Regulatory Compliance	ETSI EN 302 326 V.1.1.2 (2006-03) RoHS, CE 0682
Frequency	1.3 – 1.525 GHz
Gain	10 dBi min
VSWR	2:1 max
Polarization	Dual Slant ±45°
3 dB Azimuth Beam Width	35° typ
3 dB Elevation Beam Width	35° typ
Azimuth Side Lobe Level	ETSI EN 302 326 V.1.1.1 (2006-03) DN 2 15 dB max
Elevation Side Lobe Level	ETSI EN 302 326 V.1.1.1 (2006-03) DN 2 15 dB max
Cross Polarization	ETSI EN 302 326 V.1.1.1 (2006-03) DN 2
F/B Ratio	ETSI EN 302 326 V.1.1.1 (2006-03) DN 2
Port To Port Isolation	-30 dB typ, -20 dB max
Input Impedance	50 Ohm
Input Power	6 W CW max
Lightning Protection	DC Grounded

Mechanical

Dimensions	305 x 305 x 25 mm max
Weight	1.2 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
Flammability		UL 94			Class HB
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 Speed Survival	Front Thrust				26.6 kg
	Side Thrust				2.2 kg

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