MT-386003/NVH

3.3 – 3.8 GHz 25 dBi Dual Pol 2 ft Parabolic Antenna

Wireless Edge Antenna Solutions
An MTI Company

Electrical

Regulatory Compliance	ETSI EN 302 326-3 V1.3.1 (2008-02) RoHS, CE IEC 0682
Frequency	3.3 – 3.8 GHz
Gain	25 ±1 dBi
VSWR	1.6:1 typ, 2:1 max
Azimuth Beam Width	8.5° typ
Elevation Beam Width	8.5° typ
Polarization	Linear Vertical and Horizontal, or Dual Slant ±45°
Azimuth Side Lobes Level	ETSI EN 302-326-3 (2008) DN5
Elevation Side Lobes Level	ETSI EN 302-326-3 (2008) DN5
Port to Port Isolation	35 dB typ, 30 dB min
Cross Polarization Discrimination	ETSI EN 302-326-3 (2008) DN5 18 dB min
F/B Ratio	ETSI EN 302-326-3 (2008) DN5
Power Handling – rms	20 W
Power Handling – peak	25 W
Input Impedance	50 ohm

Mechanical

Dimensions Diameter X Depth	725 x 500 mm
Weight	6.5 kg max
Connector	2 x N-type Female
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 B
Salt Spray		IEC 68-2-11 Ka	168 h		
Ice And Snow					25 mm Radial
Wind Speed	Survival				220 Km/h
	Operation				160 Km/h
Wind Load Survival	Front Thrust				150 kg
	Side Thrust				3.7 kg

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