MT-324012/ND

2.03 – 2.11 GHz 17 dBi 65° Dual Slant Sector Antenna

Wireless Edge
Antenna Solutions
An MTI Company

Electrical

Regulatory Compliance	ETSI EN 302 326- V1.1.2 (2006-03) RoHS, CE 0682
Frequency	2.03 – 2.11 GHz
Gain	17 ± 1 dBi
VSWR	1.5:1 typ, 1.7:1 max
-3 dB Azimuth Beam Width	65° typ
-3 dB Elevation Beam Width	7° typ
Polarization	Dual Linear ±45°
Cross Polarization	-20 dB typ, -15 dB max
Side Lobes Level	ETSI EN 302 326- V1.1.2 (2006-03)
Side Lobes Level @ Azimuth ± 100 to ± 180	-25 dB typ
F/B Ratio	-30 dB max
Port to Port Isolation	23 dB min, 30 dB typ
Input Impedance	50 ohm
Input Power	20 W CW, 250 W peak
Lightning Protection	DC Grounded

Mechanical

Dimensions	990 x 126 x 37 mm max
Weight	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 4M3
Shock Mechanical		IEC 60721-3-4			4M3
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				35.6 kg
	Side Thrust				10.5 kg

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