MT-484034/NH

5.15 – 5.875 GHz 15 dBi 120° Sector Antenna

Wireless Edge
Antenna Solutions
An MTI Company

Electrical	
Regulatory Compliance	ETSI EN 302 085 v1.1.2(2001-2006)
Frequency	5.15 - 5.875 GHz
Gain	15 dBi min
VSWR	1.7:1 max
12 dBi Azimuth Beam Width	120° typ
Elevation Beam Width	6° typ
Polarization	Horizontal
Side Lobes Level	ETSI EN 302 085 v1.1.2 CS3
Azimuth Cross Polarization	ETSI EN 302 085 v1.1.2 CS3
Elevation Cross Polarization Discrimination	-27 dB max
Elevation Cross Polarization	-17 dB max
F/B Ratio	ETSI EN 302 085 v1.1.2(2001-2006) CS3 -32 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical	
Dimensions	550 x 200 x 75 mm max
Weight	2 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			IP67
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				31.7 kg
	Side Thrust				9.5 kg

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