

MT-565002/NH

10.15 – 10.65 GHz 17 dBi 60° Sector Antenna

Electrical

Regulatory Compliance	ETSI EN 302 085 v1.1.2(2001-02) RoHS, CE 0682
Frequency	10.15 – 10.65 GHz
Gain	17 ± 0.5 dBi
VSWR	1.5:1 max
-3 dB Azimuth Beam Width	60° ± 3°
Elevation Beam Width	8° typ
Gain Ripple Across Sector	±1.5 dBi max
Gain Ripple Across Frequency	±0.5 dBi max
Polarization	Horizontal
Side Lobes Level	ETSI EN 302 085 v1.1.2 (2001-02) CS1-CS3
Cross Polarization	ETSI EN 302 085 v1.1.2 (2001-02) CS1-CS3
F/B Ratio	ETSI EN 302 085 v1.1.2 (2001-02) CS1-CS3 -40 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	200 x 200 x 6 mm max
Weight	0.7 kg max
Connector	N – type
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			IP54
Solar Radiation	ASTM G53	1000 h		
Flammability	UL94			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	Front Thrust			11.4 kg
Survival	Side Thrust			0.5 kg

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