

# MT-565002/NV

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 dBi min
VSWR	1.7:1 max
3 dB Azimuth Beam Width	62° ± 3°
Elevation Beam Width	6° typ
Azimuth Side Lobes Level	ETSI EN 302 085 v1.1.2 (2001-02) CS1-CS3
Elevation Side Lobes Level	ETSI EN 302 085 v1.1.2 (2001-02) CS1-CS3 -15 dB max
Polarization	Vertical
Azimuth Cross Polarization	ETSI EN 302 085 v1.1.2 (2001-02) CS1-CS3 @ 0° - ±35.5° CS1-CS2 @ 35.5° - ±180° -25 dB max
Elevation Cross Polarization	ETSI EN 302 085 v1.1.2 (2001-02) CS1-CS3 -15 dB max
F/B Ratio	ETSI EN 302 085 v1.1.2 (2001-02) CS1-CS3 -44 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

## Mechanical

Dimensions	300 x 200 x 6 mm max
Weight	1 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	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			17.1 kg
Survival	Side Thrust			0.7 kg

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