

MT-404042/NH

3.3 – 3.8 GHz 16 dBi 90° Sector Antenna



Electrical

Regulatory Compliance	ETSI EN 302 085 v1.1.2(2001-02) RoHS, CE 0682
Frequency	3.4 – 3.8 GHz
Gain	14dBi min @ 3.3 – 3.4 GHz 16dBi min @ 3.4 – 3.7 GHz 15dBi min @ 3.7 – 3.8 GHz
VSWR	1.7:1 max 1.5:1 typ
Azimuth Beam Width	80°± 3° @ 3.3 – 3.4 GHz 90°± 5° @ 3.4 – 3.7 GHz 80°± 5° @ 3.7 – 3.8 GHz
Azimuth Side Lobes Level	ETSI EN 302 085 v1.1.2 CS1-CS3 -27 dB max @ ±135°
Azimuth Cross Polarization	ETSI EN 302 085 v1.1.2 CS1-CS3 -25 dB max
Elevation Beam Width	9° typ
Elevation Side Lobes Level	ETSI EN 302 085 v1.1.2 CS1-CS3 -25 dB max @ 3.4 – 3.8 GHz
Elevation Cross Polarization	ETSI EN 302 085 v1.1.2 CS1-CS3
Polarization	Horizontal
F/B Ratio	ETSI EN 302 085 v1.1.2 CS1-CS3 -28 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	536 x 360 x 30 mm max
Weight	2.3 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 4M3
Shock Mechanical	IEC 60721-3-4			4M3
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP67
Solar Radiation	ASTM G53	1000 h		
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 Trust			55.1 kg
	Side Trust			4.6 kg

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