

MT-344036/NV

2.0 – 2.7 GHz 14 – 16.5 dBi 60°/90°/120° Sector Antenna

Electrical

Regulatory Compliance	ETSI EN 301 326-3 V1.1.2. (2006-03) RoHS, CE 0682			
Frequency	2.0 – 2.7 GHz			
VSWR	1.7:1 typ, 2:1 max			
Gain		60°	90°	120°
	2.0 - 2.2 GHz	15.5 dBi min	13.5 dBi min	13 dBi min
	2.2 - 2.6 GHz	16.5 dBi min	15.5 dBi min	14 dBi min
	2.6 - 2.7 GHz	17.5 dBi min	16 dBi min	15 dBi min
3dB Beam Width	Azimuth	63°-68° @ 2.0-2.3 GHz 60° ±5 @ 2.3-2.7 GHz	90° ±10° @ 2.0-2.7 GHz	105° -110° @ 2.0-2.1 GHz 120° ±10° @ 2.1-2.7 GHz
	Elevation	7° typ		
Polarization	Linear, Vertical			
Side Lobes Level	ETSI EN 301 326-3 V1.1.2. SS			
Cross Polarization	ETSI EN 301 326-3 V1.1.2. SS			
F/B Ratio	ETSI EN 301 326-3 V1.1.2. SS			
Input Impedance	50 ohm			
Input Power	20 W			
Lightning Protection	DC Grounded			

Mechanical

Dimensions	60°	90°	120°
	904.5 x 130 x 110 mm max	904.5 x 130 x 98 mm max	904.5 x 130 x 78 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 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	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			34 kg
	Side Thrust			30 kg

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