

MT-343018/NV

2.4-2.5 GHz, 13 dBi 90° Sector Antenna

Electrical

Regulatory Compliance	RoHS , CE 0682 ETSI EN 301 525 v1.1.1 (2000-06)
Frequency	2.4 – 2.5 GHz
Peak Gain	13 dBi min
VSWR	1.7:1 max
9dBi Azimuth Beam Width	90° min
Polarization	Vertical
Elevation Beam Width	15° typ
Azimuth Side lobes levels	ETSI EN 301 525 v1.1.1 CS -25 dB max @ ±135°
Cross Polarization	-19 dB max
F/B Ratio	ETSI EN 301 525 v1.1.1 CS -30 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions L x W x D	500 X 200 X 30mm max
Weight	1.5 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 to +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 & Snow				25mm Radial
Wind Speed Survival				220 Km/h
Operational				160 Km/h
Wind Load Survival				
Front thrust				28.8 kg
Side thrust				4.1 kg

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