

MT-384024/NVH

3.3 – 3.8 GHz 16 dBi 60° Dual Pol Sector Antenna

Electrical

Regulatory Compliance	ETSI EN 302 326-3 v.1.2 (2006-03) RoHS, CE 0682
Frequency	3.3 – 3.8 GHz
Gain	15.5 dBi min, 16 dBi typ
VSWR	1.7:1 typ
3 dB Azimuth Beam Width	60° typ
3 dB Elevation Beam Width	9° typ
Polarization	Dual Linear Vertical & Horizontal
Side Lobes Level	ETSI EN 302 326-3 v.1.2 SS3
Cross Polarization	ETSI EN 302 326-3 v.1.2 SS3
F/B Ratio	ETSI EN 302 326-3 v.1.2 SS3 35 dB typ
Port to Port Isolation	35 dB typ
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	2 x 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	UL 94			Class HB
Salt Spray	IEC 68-2-11 Ka	168 h		
Ice And Snow				25 mm Radial
Wind Speed	Survival			220 Km/h
	Operation			160 Km/h
Wind Load	Front Thrust			55.1 kg
Survival	Side Thrust			4.6 kg

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