

# MT-526003NVH

7-8 GHz 27 dBi Dual Pol Directional Antenna

## Electrical

Regulatory Compliance	ESTI EN 302 326-3 V1.3.1 (2008-02) RoHS, CE 0682
Frequency	7 - 8 GHz
Gain	26.5 ±1dBi
VSWR	2:1 max, 1.7:1 typ
3 dB Beam width	5° typ
Polarization	Dual Linear Vertical & Horizontal
Side lobes Level	ESTI EN 302 326-3 V1.3.1 DN2
Cross Polarization	ESTI EN 302 326-3 V1.3.1 DN2
Port To Port Isolation	-25 dB max, -30 dB typ
F/B Ratio	ESTI EN 302 326-3 V1.3.1 DN2 -40 dB max
Input Impedance	50 Ω
Input Power	6 W max
Lightning Protection	DC Grounded

## Mechanical

Dimensions	450 x 450 x 30 mm max
Weight	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	500 h		
Ice And Snow				25 mm Radial
Wind Speed	Survival			220 Km/h
	Operation			160 Km/h
Wind Load Survival	Front Thrust			58.3 kg
	Side Thrust			3.9 kg

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