

MT-467005/NVH

4.9 – 6.425 GHz 29 dBi Dual Pol Subscriber Antenna

Electrical

Regulatory Compliance	ETSI EN 302 326-3 V1.1.2 (2006-03) RoHS, CE 0682
Frequency	4.9 – 6.425 GHz
Gain	28.0±0.5 dBi @ 4.9-5.1 GHz, 28.5±0.5 dBi @ 5.1-6.425 GHz.
VSWR	1.7:1 typ ,2.0:1 max
3 dB Beam Width	5° typ
Polarization	Dual Linear Vertical & Horizontal
Side Lobes Level	ETSI EN 302 326-3 V1.1.2 DN3 @ 4.9-5.9 GHz -12 dB typ @ 5.9-6.425 GHz
Cross Polarization	-23 dB typ , -20 dB max
Port to Port Isolation	-27 dB typ , -24 dB max
F/B Ratio	-35 dB max
Input Impedance	50 Ω
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions Diameter x Depth	600 x 600 x 51 mm max
Weight	5 kg max
Connector	2 x N-Type Female
Radome	Plastic
Base Plate	Aluminum with chemical conversion coating
Mounting Kit	MT-120019

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	2000 h		
Flammability	UL 94			Class B
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	Front Thrust			103.6 kg
Survival	Side Thrust			8.6 kg

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