

MT-464049/NVHD/A

5.15 - 5.875 GHz, 15 dBi Quad Polarization Subscriber Antenna

Electrical

Regulatory Compliance	RoHS, CE 0682	
Frequency Range	5.15 - 5.875 GHz	
Gain	15.0 dBi \pm 1.0 dB	
VSWR	Port H	2.0:1 max
	Port V	2.3:1 max
	Ports Slant \pm 45°	2.0:1 max
3 dB Beam Width	30° \pm 3°	
Polarization	Vertical, Horizontal & \pm 45°	
Side Lobes Level	-18 dB typ	
Cross Polarization	-15 dB max -20 dB typ	
F/B Ratio	-35 dB max	
Isolation	25 dB min	
Input Impedance	50 Ω	
Input Power	6 W max	
Lightning Protection	DC Grounded	

Mechanical

Dimensions (LxWxD)	261x261x30 mm max
Weight	1.2 kg max
Connector	4 x N type female
Radome	Plastic
Base Plate	Aluminum with chemical conversion coating
Mounting Kit	MT-120018/A

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 4M3
Shock Mechanical	IEC 60721-3-4			4M3
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	Front Thrust			19.6 kg
Survival	Side Thrust			2.3 kg

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