

MT048D26VH-2

4.4-5.0 GHz 26.0 dBi Directional Antenna

Electrical

Regulatory Compliance	RoHS , CE0682
Frequency	4.4–5.0 GHz
Gain	26.0 dBi ± 1.0 dB
VSWR	2.0 : 1
3 dB Beam Width	7° ± 1°
Polarization	Dual Linear Vertical & Horizontal
First Side Lobes Level	-10 dB max
Second Side Lobes Level	-15 dB max
Cross Polarization	-20 dB max
F/B Ratio	40 dB min
Port To Port Isolation	-25 dB
Input Impedance	50 ohm
Input Power	10 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions (LxWxD)	500 x 500 x 44 mm max
Weight	4 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	2000 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			58.3 kg
Survival	Side Thrust			3.9 kg

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