

# MT050D28VH

4.4-5.5 GHz 28 dBi Dual Pol. Directional Antenna

## Electrical

Regulatory Compliance	ETSI EN 302 326-3 V1.3.1(2007-09) Table 5 RoHS CE 0682
Frequency	4.4 – 5.5 GHz
Gain	27 dBi ±1 dBi.
VSWR	2 : 1 max
3 dB Azimuth Beam width	6° typ
3 dB Elevation Beam width	6° typ
Polarization	Dual pol linear (Vertical and Horizontal)
Side lobes Level	ETSI EN 302 326-3 V1.3.1
Cross Polarization	ETSI EN 302 326-3 V1.3.1
F/B Ratio	ETSI EN 302 326-3 V1.3.1
Input Impedance	50 ohm
Input Power	40 W max
Lightning Protection	DC Grounded

## Mechanical

Dimensions (L x W x D)	600 x 600 x 40 mm max
Weight	5.5 Kg (max)
Interface	2 x N-TYPE female
Radome	Plastic
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	1000 h		
Flammability	UL 94			CLASS HB
Salt Spray	IEC 68-2-11 Ka	500 h		
Ice And Snow				25mm Radial
Wind Speed Survival Operation				220 Km/h 160 Km/h
Wind Load (Survival): Front Thrust Side Thrust				70.2 kg 19.2 kg

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