

MT006D07VH

470–700 MHz 7.5 dBi Directional Antenna



Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	470 – 700 MHz
Gain	7.5 ± 0.5 dBi
VSWR	1.7:1 typ 2:1 max
Polarization	Dual linear Vertical & Horizontal
Azimuth/Elevation 3 dB Beam width	75° @ 470 MHz typ 70° @ 585 MHz typ 65° @ 700 MHz typ
Port To Port Isolation	30 dB min
Front to Back Ratio	9 dB max @ 470 MHz max 13 dB max @ 585 MHz max 20 dB max @ 700 MHz max
Input Impedance	50 Ω
X Pol Level	25 dB
Power handling	10 W CW
Lightning Protection	DC ground

Mechanical

Dimensions	320 x 320 x 111 mm max
Weight	1.3 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		
Salt Spray	IEC 68-2-11 Ka	500 h		
Ice And Snow				25 mm Radial
Wind Speed Survival Operation				220 Km/h 160 Km/h
Wind Load Survival Front Thrust				35.1 Kg
Side Thrust				11.4 Kg

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