

# MT006S13VH

470–700 MHz 13 dBi Base Station Antenna



## Electrical

Regulatory Compliance	RoHS , CE 0682		
Frequency	470–700 MHz		
Gain	470 MHz	585 MHz	700 MHz
	12 dBi	13 dBi	13.5 dBi
VSWR	1.7:1 max		
Polarization	Dual linear Vertical & Horizontal		
Elevation 3 dB Beam width	16°	13°	11°
Azimuth 3 dB Beam Width	90°		
Port To Port Isolation	30 dB max		
Front to Back Ratio	18 dB		
X-Pol	25 dB		
Input Impedance	50 ohm		
Input Power	20 W CW		
Lightning Protection	DC Grounded		

## Mechanical

Dimensions	2004 x 406 x 145 mm max		
Weight	10.5 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	-45°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			IP64
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				278.8 Kg
Side Thrust				92.9 Kg

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