

MT006S11VH

470 – 750 MHz 11.5 dBi Base Station Antenna



Electrical

Regulatory Compliance	RoHS , CE 0682			
Frequency	470–750 MHz			
Gain	470 MHz	585 MHz	700 MHz	750 MHz
	10.2 dBi	11.5 dBi	12.0 dBi	11.5 dBi
Gain @ +/- 45 deg	7.0 dBi	8.0 dBi	8.0 dBi	7.5 dBi
VSWR	1.7:1 max @ 470-700 2.0:1 max @ 700-750			
Polarization	Dual linear Vertical & Horizontal			
Elevation 3 dB Beam width	470 MHz	585 MHz	700 – 750 MHz	
	24°	20°	16°	
Azimuth 3 dB Beam Width	90°			
Port To Port Isolation	30 dB min, 35dB typ			
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	1354 x 406 x 145 mm max
Weight	8.0 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				188.4 Kg
Side Thrust				62.8 Kg

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