

# MT023S17VH

2.2 – 2.3 GHz 17 dBi Dual Pol Sector Antenna



**Wireless Edge**

Antenna Solutions

An MTI Company

## Electrical

Regulatory Compliance	ETSI EN 302 326-3 V1.3.1(2007-09) Table 10 RoHS CE 0682
Frequency	2.2 – 2.3 GHz
Gain	17.0 ± 1.0 dBi min.
VSWR	2 : 1 max
3 dB Azimuth Beam width	60° typ
3 dB Elevation Beam width	6.5° typ
Polarization	Dual Linear (Vertical & 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
Isolation	30 dB min
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

## Mechanical

Dimensions (L x W x D)	1000 x 205 x 60 mm max
Weight	3.0 Kg max
Interface	2 x N type female
Radome	Plastic
Mounting Kit	MT-120021

## 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			IP64
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				220 Km/h
Operation				160 Km/h
Wind Load (Survival):				
Front Thrust				70.2 kg
Side Thrust				19.2 kg

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