

MT055S17VHN

4.9-5.95 GHz 17 dBi 60° Dual Pol Sector Antenna

Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	4.9 – 5.95 GHz
Gain	16 dBi min @ 4.9 – 5.35 GHz 17 dBi min @ 5.35 – 5.95 GHz
VSWR	1.7:1 typ, 2 :1 max
13 dBi Azimuth Beam Width	60° typ, @ 4.9 – 5.35 GHz
14 dBi Azimuth Beam Width	60° typ, @ 5.35 – 5.95 GHz
3 dB Beam Width Elevation	7.5° typ
Polarization	Dual Linear Vertical & Horizontal
Cross Polarization	-30 dB typ
F/B Ratio	-40 dB typ
Elevation Side Lobes Level	-12 dB typ
Port to Port Isolation	35 dB min
Input Impedance	50 Ω
Input Power	20 W max
Lightning Direction	DC Grounded

Mechanical

Dimensions	370 x 370 x 40 mm max
Weight	2.5 kg max
Connector	2 x N-Type Female
Radome	Plastic
Mounting Kit	MT-120018

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				25 mm Radial
Wind Speed	Survival			220 Km/h
	Operation			160 Km/h
Wind Load	Front Thrust			115.1 kg
Survival	Side Thrust			33 kg

This document and the information contained in it are proprietary and confidential to MTI. No person is allowed to copy reprint reproduce or publish any part of this document nor disclose its contents to others nor make any use of it nor allow or assist others to make any use of it, unless by the prior written express authorization of MTI and then only to the extent authorized.