

MT055009VH

5.15–5.925 GHz, 9 dBi Double Dual Polarization Omni

Electrical	
Regulatory Compliance	RoHS, CE0682
Frequency Range	5.15 - 5.925GHz
Average Gain	9 dBi
Azimuth Ripple	± 3.2 dB typ , ± 5.0 dB max
VSWR	2:1 typ
3 dB Beam width at Elevation	8°
Polarization	2 Vertical Ports & 2 Horizontal Ports
Isolation	20 dB min @ same polarization 35 dB min @ different polarization
Input Impedance	50 Ω
Lightning Protection	DC Grounded

Mechanical	
Dimensions (LxWxD)	402 x 188.2 x 60.3 mm max
Weight	1.2 Kg. max
Connector	4 x N-Type Female
Radome	ABS
Base Plate	Aluminum with chemical conversion coating
Mounting Kit Configuration	Mounting Bracket to Pole Ø 1.5" to Ø 3" *
Mounting Kit Weight	0.5 Kg max

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		Random4M5
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	250 h		
Ice And Snow				25mm Radial
Wind Speed	Survival			220 Km/h
	Operation			160 Km/h

* For larger sizes use longer bands.