

MT-464033/SVH/R

4.9 – 5.95 GHz 17.5 dBi Dual Pol Directional Antenna

Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	4.9 – 5.95 GHz
Gain	16 ± 1 dBi @ 4.9 - 5.25 GHz
	17 ± 1 dBi @ 5.25 - 5.9 GHz
	15 ± 1 dBi @ 5.9 - 5.95 GHz
VSWR	1.7:1 typ, 2:1 max
Azimuth Beam Width	24° typ
Elevation Beam Width	20° typ
Polarization	Dual Linear Vertical and Horizontal
Side Lobes Level	-12 dB typ
Cross Polarization	-13 dB typ
Beam Squint	3° typ
F/B Ratio	-25 dB max, -35 dB typ
Port to Port isolation	20 dB min, 30 dB typ
Input Impedance	50 ohm
Input Power	6 W max

Mechanical

Dimensions	190 x 190 x 30.3 mm max
Weight	0.7 kg max
Connector	2 x SMA Right Angle Female
Radome	Plastic
Base Plate	Aluminum with chemical conversion coating

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		
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			10.5 kg
Survival	Side Thrust			1.6 kg

*IP 67 when installed on radio enclosure

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