

MT-483010/S

4.9 – 5.875 GHz 13 dBi Directional Antenna

Electrical

Frequency	4.9 – 5.875 GHz
Gain	12 dBi min @ 4.9 – 5.15 GHz 13 dBi min @ 5.15 – 5.875 GHz
VSWR	2:1 max
3 dB Azimuth Beam Width	60° typ
3 dB Elevation Beam Width	18° typ
Polarization	Vertical or Horizontal
Elevation Side Lobes	-10 dB typ
F/B Ratio	-20 dB max
Input Impedance	50 ohm
Input Power	6 W max

Mechanical

Dimensions	325 x 92 x 15 mm max
Weight	0.7 kg max
Connector	SMA Female
Azimuth Adjustment	± 45°
Tilt Adjustment	± 15°
Radome	P.C +ABS

Environmental

Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72 h	-20 °C	
High Temperature	IEC 68-2-2	72 h	+55 °C	
Temp. Cycling	IEC 68-2-14	1 h	-20 °C +55 °C	3 Cycles
Vibration	IEC 60721-3-4	30 min/axis		Random 4M3
Shock Mechanical	IEC 60721-3-4			4M3
Humidity	ETSI EN300-2-4 T4.1E	144 h		50%
Water Tightness	IEC 529			IP32
Solar Radiation	ASTM G53	1000 h		
Flammability	UL 94			V0

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