

MT-362010/S

2.3 – 2.8 GHz 12 dBi Directional Antenna

Electrical

Frequency	2.3 – 2.8 GHz
Gain	11.5 ± 0.5 dBi @ 2.3 - 2.7 GHz 12.5 ± 0.5 dBi @ 2.7 - 2.8 GHz
VSWR	2:1 max @ 2.3 - 2.7 GHz 2:1 @ 2.7 - 2.8 GHz
3 dB Azimuth Beam Width	80° min
3 dB Elevation Beam Width	20° typ
Polarization	Vertical
F/B Ratio	-20 dB typ
Input Impedance	50 ohm
Input Power	3 W max

Mechanical

Dimensions	325 x 92 x 15 mm max
Weight	0.6 kg max
Connector	SMA Female
Azimuth Adjustment	± 45°
Tilt Adjustment	± 15°

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	-10 °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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