

MT-263007/TRH/A/K

902-928 MHz 10 dBic RHCP Reader Antenna



Electrical

Regulatory Compliance	RoHS , CE 0682
Frequency	902-928 MHz
Gain	10 dBic min 11.5 dBic max
VSWR	1.3:1 max
3 dB Beam Width	Azimuth: 63° typ Elevation: 45° typ
Polarization	RHCP
Side Lobes Level @ 90°	-12 dB max -15 dB typ
Axial Ratio At Boresight *	2.5 dB max 1.5 dB typ
F/B Ratio	-20 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	371x371x40 mm
Orientation	Rectangular
Weight	2 kg max
Connector	TNC Reverse polarity
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
Thermal Shock Nono-Operation			-30°C to +70°C	Ramp 30°C/min
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP67*
Dust Resistance				IP67*
Solar Radiation	ASTM G53	1000 h		
Ozone Resistance	ETSI 300			
Flammability	UL 94			Class HB
Salt Spray	IEC 68-2-11 Ka	500 h		
Quasi Random Vibration				20g rms for 4 hours
Vehicle Vibration Operating	1g rms, 10-500 Hz, in 3 axis			6 hours total, 2 hr in each axis. Accelerated wear – an additional 50hrs in worst case axis.
Mechanical Shock Operating	10g, 11 msec, half sine pulse			

* For outdoor installations that require mounting the antenna horizontally facing ground, please contact MTI representative for the dedicated P/N

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