

MT-263020/TRH/A/K

902 - 928 MHz 11 dBic RHCP Reader Antenna



Electrical

Regulatory Compliance	RoHS , CE 0682
Frequency	902-928 MHz
Gain	11 dBic min 12.5 dBic max
VSWR	1.5:1 max 1.3:1 typ
3 dB Beam Width	Azimuth: 30° typ Elevation: 63° typ
Polarization	RHCP
Side Lobes Level @ 90°	-12 dB max -15 dB typ
Axial Ratio At Boresight *	3 dB max
F/B Ratio	-20 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions	650x320x32 mm max
Orientation	Rectangular
Weight	2.8 kg max
Connector	TNC Reverse polarity
Radome	Plastic UV Resistant per ETSI 300

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.
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Mechanical Shock Operating	10g, 11 msec, half sine pulse			

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