

MT-263025/NRH

950 – 956 MHz 11 dBic RHCP Reader Antenna

Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	950 – 956 MHz
Gain	10.5 dBic min, 11 dBic typ
VSWR	1.5:1 max , 1.3:1 typ
3 dB Beam Width	Azimuth: 30° typ Elevation: 70° typ
Polarization	RHCP
Sidelobes Level	-12 dB max , -15 dB typ
Axial Ratio Azimuth from Boresight at 0° ± 35°	3 dB max
Axial Ratio Elevation from Boresight at 0° ± 16°	3 dB max
F/B Ratio	-20 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions L x W x D	500 x 200 x 30 mm max
Orientation	Rectangular
Weight	1.5 Kg max
Connector	N-type
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 to +70°C	3 Cycles
Thermal Shock Non-Operating			-30°C to +70°C	Ramp 30°C/min
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness*	IEC 529			IP54
Dust Resistance*				IP54
Solar Radiation	ASTM G53	1000 h		
Ozone Resistance	ETSI 300			
Flammability	UL 94			Class HB
Quasi Random Vibration				20 g rms for 4 hours
Vehicle Vibration Operating	1g rms, 10-500 Hz, in 3 axis	6 hours total, 2 h in each axis.	Accelerated wear – an additional 50 h in worst case axis.	
Mechanical Shock Operating	10g, 11 msec, half sine pulse			

*IP67 available upon request

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