

# MT-262017/NRH

950 – 956 MHz 6.5 dBic RHCP Reader Antenna

## Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	950 – 956 MHz
Gain	6 dBic min, 6.5 dB typ
VSWR	1.3:1 max
3 dB Beam Width	Azimuth: 71° typ Elevation: 70° typ
Polarization	RHCP
Axial Ratio	0.7 dB typ , 1 dB max @ Boresight 2.0 dB typ , 3.5 dB max @ 3dB Beam Width
F/B Ratio	-17 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

## Mechanical

Dimensions L x W x D	190 x 190 x 30 mm max
Weight	0.8 Kg max
Connector	N-type Female
Radome	Plastic
Base Plate	Aluminum with chemical conversion coating

## 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
Salt Spray	IEC 68-2-11 Ka	500h		
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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