

MT-243011/NRH/B

865 – 956 MHz 8 dBic RHCP Antenna

Electrical

Frequency	865 – 956 MHz
Gain	8 dBic min
VSWR	1.5:1 max, 1.3:1 typ
3 dB Beam Width	Azimuth: 60° typ Elevation: 85° typ
Polarization	RHCP
Axial Ratio	3 dB max
F/B Ratio	-20 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions LxWxD	306 x 158 x 34 mm max
Weight	1 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
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