

MT-341021/NRH

2.4 – 2.5 GHz 2 dBic RHCP Reader Antenna

Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	2.4 – 2.5 GHz
Gain	2 dBic min
VSWR	1.5:1 max
3 dB Beam Width	100° ± 5°
Polarization	RHCP
Axial Ratio at Boresight	3 dB max
F/B Ratio	-15 dB max
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions L x W x D	78 x 78 x 17 mm max
Orientation	Rectangular
Weight	0.3 Kg max
Connector	N - type Female
Radom	Plastic UV Resistant per ETSI 300
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
Vibration	IEC 60721-3-4	30 min/axis		Random 4M3
Shock Mechanical	IEC 60721-3-4			4M3
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP67
Dust Tightness				IP67
Ozone Resistance				
Solar Radiation	ASTM G53	1000 h		
Flammability	UL94			Class HB
Salt Spray	IEC-68-2-11 Ka	500 h		
Ice and Snow				25 mm Radial
Wind Speed: Survival				220 Km/h
Operation				160 Km/h
Wind Load Survival: Front Thrust				1.7 kg
Side Thrust				0.4 kg

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