MT-262018/NRLH

950 – 956 MHz 8 dBic Dual LHCP & RHCP Reader Antenna

Wireless Edge
Antenna Solutions
An MTI Company

Electrical	
Regulatory Compliance	RoHS, CE 0682
Frequency	950 – 956 MHz
Gain	8 dBic min
VSWR	1.4:1 max , 1.2:1 typ
3 dB Beam Width	Azimuth: 70° typ Elevation: 60° typ
Polarization	RHCP & LHCP
Sidelobes Level @ 90°	-10 dB max
Axial Ratio at Boresight	3 dB typ , 4 dB max
Port to Port Isolation	-40 dB max
F/B Ratio	-18 dB max , -20 dB typ
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	2 X N-type Female
Radome	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
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

11 Hamelacha st. Afek Industrial Park, Rosh-Ha'Ayin 4809121 | Tel. +972.3.9008900 | Fax. +972.3.9008901