MT-242036/N

865 – 956 MHz 8 dBi Reader Antenna

Wireless Edge
Antenna Solutions
An MTI Company

Electrical			
Regulatory	RoSH, CE 0682		
Frequency	865 – 956 MHz		
Gain	8 dBi min @ 865 - 928 MHz 6.5 dBi min @ 950 – 956 MHz		
VSWR	1.5:1 typ, 1.7:1 max @ 865 – 928 MHz 1.7:1 typ 2.1:1 max @ 950 – 956 MHz		
3 dB Beam Width	Azimuth: 75° typ Elevation: 72° typ		
Polarization	Linear Vertical		
Cross Polarization	865 -870 MHz	902 – 928 MHz	950 – 956 MHz
Azimuth	-15 dB max	-13 dB max	-18 dB max
Elevation	-20 dB max	-18 dB max	-28 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	190 x 190 x 30 mm max
Weight	0.5 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

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