

MT-241030/SLH/A

865 - 956 MHz, 1.5dBic LHCP Reader Antenna



Electrical

Regulatory Compliance	RoHS , CE 0682
Frequency	865 - 956 MHz
Gain	0.5 dBic min; 2.0 dBic max @ 865-928 MHz -1.0 dBic min; 1.0 dBic max @ 950-956 MHz
VSWR	1.3 :1 typ; 1.5 : 1 max @ 865-928 MHz 1.5 :1 typ; 1.7 : 1 max @ 950-956 MHz
3 dB Beam Width	90° typ
Polarization	LHCP
F/B Ratio	-10 dB typ
Lightning Protection	DC Grounded
Axial Ratio @ Bore sight	2 dB typ; 3 dB max @ 865-870 MHz 1 dB typ; 3.0dB max @ 902-928 MHz 3 dB typ; 4 dB max @ 950-956 MHz
Input Impedance	50 Ohm
Input Power	6 W max

Mechanical

Dimensions	95 x 95 x 32 max
Weight	0.25 kg max
Connector	SMA - Female

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 +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
Solar Radiation	ASTM G53	1000 h		
Salt Spray	IEC 68-2-11 Ka	500 h		
Ice And Snow				25mm Radial
Wind Speed Survival Operation				220 Km/h 160 Km/h
Wind Load Survival Front Thrust				2.6 kg
Side Thrust				1.1 kg

NOTE : Dimensions Do Not Include the Connector

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