

MT-262041/TRH/A/K

865 - 928 MHz 5.0 dBic RHCP Reader Antenna



Wireless Edge

Antenna Solutions

An MTI Company

Electrical

Regulatory Compliance	RoHS , CE 0682
Frequency	865-928 MHz
Gain	4.0 \pm 0.5 dBic @ 865-870 MHz 4.5 \pm 0.5 dBic @ 902-928 MHz
VSWR	1.3 :1 typ , 1.5 : 1 max
3 dB Beam Width	Azimuth: 85° typ Elevation: 85° typ
Polarization	RHCP
F/B Ratio	15 dB typ
Lightning Protection	DC Grounded
Axial Ratio @ Bore sight	2.5 dB typ , 4.0 dB max @ 865-870 MHz 1.5 dB typ , 2.5 dB max @ 902-928 MHz
Input Impedance	50 Ohm
Input Power	6 W max

Mechanical

Dimensions	140 x 140 x 26 max
Weight	0.5 kg max
Connector	TNC Reverse Polarity
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 +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		
Flammability	UL 94			Class HB
Salt Spray	IEC 68-2-11 Ka	168 h		
Ice And Snow				25mm Radial
Wind Speed Survival				220 Km/h
Operation				160 Km/h
Wind Load Survival				
Front Thrust				5.6 kg
Side Thrust				0.8 kg

* For outdoor installations that require mounting the antenna horizontally facing ground, please contact MTI representative for the dedicated P/N

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