MT-242026/NRLH/K

865 - 870 MHz 7.5 dBic Dual RHCP & LHCP Reader Antenna



Electrical						
Frequency		865 – 870	MHz			
Gain		7.5 dBic min 9.5 dBic max				
VSWR		1.5:1 max , 1.4:1 typ				
Azimuth 3 dB Beam Width		72° typ	. ,			
Elevation 3 dB Beam Width		60° typ				
Polarization		Dual RHCI	P & LHCP			
Side lobes Level @ ±90°		-10 dB ma	X			
Axial Ratio at Boresight		4 dB max				
Port to Port Isolation		-35 dB mir	า			
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 26 mm max				
Orientation	on		Rectangular			
Weight			1.5 kg max			
Connector		2 X N – type Female				
Radome		Plastic				
Base Plate		Aluminum	m 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	IEC 60721-3-4			Random 4M5	
Shock Mechanical	IEC 60721-3-4				4M5	
Humidity	ETSI EN300-2-4 T4.1E		144 h		95%	
Water Tightness	IEC 529	IEC 529			IP67*	
Solar Radiation	ASTM G53	ASTM G53				
Flammability	UL 94		1000 h		Class HB	
Salt Spray	IEC 68-2-11 Ka		168 h			
Ice and Snow					25 mm Radial	
Wind Speed: Survival Operation					220 Km/h 160 Km/h	
Wind Load Survival: Frond Thrust Side Thrust					28.8 kg 4.1 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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