

MT008D09RH

865 – 870 MHz 9 dBiC RHCP Reader Mat Antenna

Electrical

Regulatory Compliance	RoHS, CE 0682
Frequency	865 – 870 MHz
Gain	9.0 dBiC typ
Reading Range 10 cm Tag	2 m max
VSWR	1.5:1 max
Azimuth 3 dB Beam Width	30° typ
Elevation 3 dB Beam Width	65° typ
Polarization	RHCP
Side lobes Level	-15 dB typ
Axial Ratio	3 dB typ , 4 db max
F/B Ratio	-20 dB typ
Input Impedance	50 ohm
Input Power	6 W max
Lightning Protection	DC Grounded

Mechanical

Dimensions L x W x H	1000 x 430 x 22 mm max
Orientation	Rectangular
Radome	Polyurethane
Weight	8.6 kg max
Connector	1.5 m pigtail with TNC reverse polarity

Environmental – Indoor environment

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
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP67
Salt Spray	IEC 68-2-11 Ka	500 h		
Static Load				250 kg on area of 300 cm ² min

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