

MT-262051/CRH

902 – 928 MHz 9 dBic RHCP Reader Mat Antenna

Electrical

Regulatory	RoHS, CE 0682
Frequency	902 – 928 MHz
Gain	9 dBic typ
Reading Range 10 cm Tag	2 m typ
VSWR	1.5:1 max
3 dB Beam Width	Azimuth: 30° typ Elevation: 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 D	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

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

This document and the information contained in it are proprietary and confidential to MTI. No person is allowed to copy reprint reproduce or publish any part of this document nor disclose its contents to others nor make any use of it nor allow or assist others to make any use of it, unless by the prior written express authorization of MTI and then only to the extent authorized.

11 Hamelacha st. Afek Industrial Park, Rosh-Ha'AYin 4809121 | Tel. +972.3.9008900 | Fax. +972.3.9008901