

MT-269508/NRH

902 – 928 MHz Near Field Flat Panel Antenna



Electrical

Regulatory Compliance	RoHS , CE 0682
Frequency	902-928 MHz
Reader Type	(*)
Tag Type	Satellite, Neptune, Button
Tag Orientation	Any
VSWR	2.0 :1 max
3 dB Beam Width	Azimuth: 85° typ Elevation: 85° typ
Range (mm, from Antenna Surface)	0-500 (Satellite) 0-40 (Neptune) 0-10 (Button)
Area Coverage Of Antenna (typ)	Full surface of Antenna (Satellite) >70% of Ant. surface (Neptune, Button)
Polarization	CP
Input Impedance	50 ohm
Test Power	1 W
Power	2 W max

Mechanical

Dimensions	191 x 191 x 30 mm max
Weight	0.6 kg max
Connector	N-Type female
Radome	Plastic UV Resistant per ETSI 300
Base Plate	Aluminum with chemical conversion coating

Environmental

Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72 h	-30 °C	
High Temperature	IEC 68-2-2	72 h	+55 °C	
Temp. Cycling	IEC 68-2-14	1 h	-30 °C +55 °C	3 Cycles
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP50
Dust Resistance	IEC 529			IP50
Vibration	IEC 60721-3-4	30 min/axis		Random 4M3
Shock Mechanical	IEC 60721-3-4			4M3
Flammability	UL 94			Class HB

* The antenna has been tested with Impinji Speedway Reader to evaluate the antenna.

The antenna performance may change when using another type of reader.

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