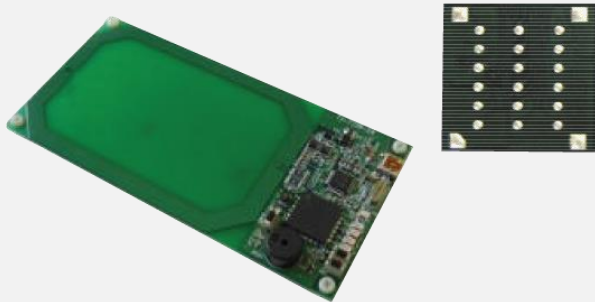# RFID HF
MD770R EVALUATION KIT

Mi·RFID™

THE MINI-SIZED HF RFID READER MODULE

RFID is recognized as the most reliable technology today for product identification and authentication. Cost which was the greatest obstacle in RFID implementations is now being overcome with the introduction of MD770R HF RFID Core that supports all ISO15693 tags and ISO14443 A/B tags.

This revolutionary, mini-sized RFID Reader Module reduces the complexity of RFID reader by simplifying the circuits with built-in transceiver thus greatly reduces component cost. It is small in size, consumes low power, but it contains the functionalities of a full featured RFID reader. This module can be used to build HF RFID readers for any applications.

SPECIFICATIONS

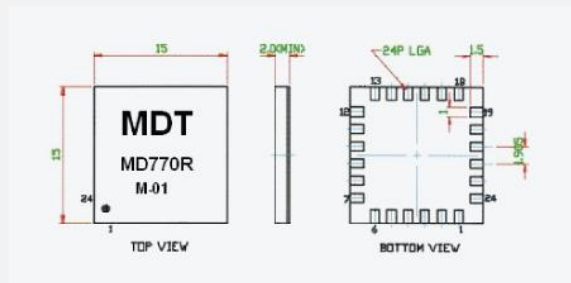|	
Model	MD-770R
Supported IC Cards, Tags	ST LRIs; NXP I-CODE, I-Code SLI; Tag-It; My-D; and any ISO/IEC 15693 & ISO/IEC18000-3 compatible tags.
Operating Frequency	13.56MHz ±7KHz
RF Output	Tuneable (38mW default)
Operating Distance	0 to 120mm
Interface	Serial CMOS
Power Supply	DC2.7 ~ 5.0V ±5%
Power Consumption	<10mA RF carrier ON; <8.5mA RF carrier OFF, <10µA RF power down
Storage Temperature	-20 to +50oC
Perating Temperature	O -10 to +40oC
Dimension	15mm x 15mm x 20mm

Evaluation Kit Package

The MD770R Evaluation Kit (EK) is suited for all potential ODM/OEM customers who wish to build readers for mobile devices or high performance stand alone RFID readers/scanners.

EK Package Consists of:
- USB based MD770R reader
- Sample ISO/IEC15693 tags from respective makers
- Programmer's manual, compatible with .Net, and C++
- Datasheet
- Evaluation Kit Case

Potential Applications

Small sized & low cost, suitable to be battery driven, optional 2kbytes programmable flash memory.

Data Sheet Version	**Mi870H**
Date	09 May 2013

A Product of:

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