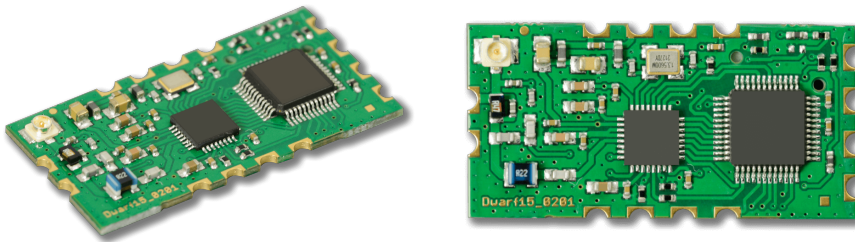


Dwarf15 RFID HF SMD Module

Art. no.:
22003055



- Small Footprint
- Short Time-to-Market
- ISO 15693 compatible



Dwarf15 RFID HF SMD Module

If you want to integrate RFID technology into existing devices to check consumables, find counterfeited spare parts in a machine or identify users, you sometimes don't have the space on your PCB for a complete reader. Often you only have a few square inches of available space to place all the RFID functionality you need. For these cases, the Dwarf15 RFID Module is just the right product.

With a size of only 18 x 32mm, the module sets a new standard for RFID reader miniaturization. Despite its size, the module has a performance comparable to much bigger RFID readers. With the right antenna, you can even get a read range of 150 mm.

With these production-ready SMD modules, you get tested hardware and firmware in an extremely short time to market. If you need a different form factor or new features there is always the possibility for a customized module.

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Technical Specification

Operating Principle	ISO15693 HF Embedded RFID Module
Operating Frequency	13.56 MHz (worldwide)
Antenna Connector	U.FL, 50 Ohm
Output Power	250mW
Read Range	up to 150mm (with MidiPCB Loop Antenna)
Supported Protocols	ISO15693 (ICODE, Tag-It, etc.)
Antenna Connector	3V3 UART (115,200 Baud)
Operating Voltage	5V DC
Power Consumption	idle: 10 mA, RF on: max. 100 mA
Inputs/Outputs	8 x 3V3 Input/Output (configurable)
Temperature Range	-20 °C to +70 °C
Dimensions	32 x 18 x 5 mm

About Metratec

Metratec develops, produces and sells Radio electronics for the areas of "Identification", "Localization", and "Communication" and thus serves a variety of markets with standard products as well special solutions. Customers include OEM customers, system integrators and research facilities worldwide.

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