**PRODUCT DATASHEET**

**iID® Transponder**

**LABEL3030special NFC**

HF-RFID transponder, label packaging
- passive NFC based RFID communication 13.56 MHz
- flex label 30x30 mm
- self adhesive back side
- designed for simple part tagging
- available for on metal / non metal applications

These transponder device is an integral part of microsensys iID® system solutions.
This TAG operates with microsensys standard RFID readers as well as third party NFC readers integrated into smart phones and tablets.

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**RFID Technology:** closed coupling RFID system, ISO/IEC 14443 A, NFC Forum Type 2 Tag

**Chip Type:** NXP mifare Ultralight, NTAG215

**Carrier Frequency:** 13.56 MHz

**Communication Rate:** Fast data transfer up to 106 kbit/s

**Communication Distance:** 0 ... 20 mm

**Memory:** EEPROM

**Memory Capacity:** endurace >10.000/100.000 cycles, data retention > 5/10years

**Special Functionality:** see data sheet of chip manufacturer

**Operating Temperature:** -25°C ... +65°C

**Ambient Storage Conditions:** 1 year at 10 to 25°C, max. 60% relative humidity max. 250 cycles -30°C to 85°C

**Dimensions:** 30x30 mm, TH max. 1.2 mm

**Packaging Material:** plastic foil

**Mounting Instructions:** self adhesive on clean planar surface on metal

**Marking:** printed with NFC or microsensys logo

**Appropriate RFID Reader:**
- PENmini
- PENmotion
- POCKET reader
- HEAD reader
- UNI13, UNI10

**HOST Command Set:** see actual API documentation of microsensys iID® driver engine or data sheets of silicon chip manufacturer

**Software:** different software for Windows PC or mobile devices available, for application software please ask at info@microsensys.de

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**Type:** 13.480.680.00 13.492.680.00

**Chip Type:** mifare Ultralight NTAG 215

**Memory:** 1536 4032

**Application:** on metal on metal

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*distance measured with M30 HEAD / PENmini

**) no standard product, **)not for new projects