## **PRODUCT DATASHEET**

*iID*<sup>®</sup> *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<sup>®</sup> 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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This is data sheet is subject to change Contact us for latest information

LABEL3030special NFC 002.

RFID Technology: Chip Type:	closed coupling RFID sys	tem, ISO/IEC 14443 A, NFC Forum Type 2 Tag NXP mifare Ultralight, NTAG215
Carrier Frequency: Communication Rate:	13.56 MHz	Fast data transfer up to 106 kbit/s
Communication Distance:	0 20 mm	environmental conditions reader antenna and chip type
Memory: Memory Capacity: Special Functionality:	EEPROM	endurance >10.000/100.000 cycles, data retention > 5/10years different types available see data sheet of chip manufacturer
Operating Temperature: Ambient Storage Conditions:	-25°C +65°C	1 year at 10 to25°C, max.60% relative humidity max. 250 cycles -30°C to 85°C
Dimensions: Packaging Material:	30x30 mm, TH max. 1.2 plastic foil	mm,
Mounting Instructions:		self adhesive on clean planar surface
Marking:	printed with NFC or micro	osensys logo optional: colour printing
Appropriate RFID Reader:	PENmini PENmotion POCKET reader HEAD reader UNI13, UNI10	with RS232TTL or USB interface, with Bluetooth interface, with USB and Bluetooth interface especially for mobile data capture with RS232TTL, RS485, USB for industrial application 13.56 MHz read write module for microsensys OEM partner only
HOST Command Set:	see actual API documentation of microsensys iID <sup>®</sup> driver engine or data sheets of silicon	
Software:	different software for Windows PC or mobile devices available, for application software please ask at <u>info@microsensys.de</u>	
		40.400.000.00

Type : Chip Type: Memory: Application: **13.480.680.00** mifare Ultralight 1536 on metal **13.492.680.00** NTAG 215 4032 on metal

bit

distance measured with M30 HEAD / PENmini \*) no standard product, \*\*)not for new projects

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