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.

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	environmental conditions reader antenna and chip type
Memory:	EEPROM	endurance >10.000/100.000 cycles, data retention > 5/10years
Memory Capacity:		different types available
Special Functionality:		see data sheet of chip manufacturer
Operating Temperature:	-25°C ... +65°C	
Ambient Storage Conditions:		1 year at 10 to25°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	
		optional: colour printing
Appropriate RFID Reader:	PENmini	with RS232TTL or USB interface,
	PENmotion	with Bluetooth interface,
	POCKET reader	with USB and Bluetooth interface
		especially for mobile data capture
	HEAD reader	with RS232TTL, RS485, USB for industrial application
	UNI13, UNI10	13.56 MHz read write module
		for microsensys OEM partner only
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	

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

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