

PRODUCT DATASHEET

iID® Transponder

R5.3-TAGmodule

HF-RFID transponder module for integration in industrial and long-life applications

- passive RFID communication 13.56 MHz
- 5 mm RING-TAG module
- EPOXY glob top
- For usage on non-metallic objects
- EEPROM memory with 50 years data retention
- designed for part and equipment tagging

This transponder module is an integral part of *microsensys* iID® system solutions.



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This data sheet is subject to change
Contact us for latest information

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RFID Technology:	close coupling RFID system iID@2000	compatible ISO 15693 / NFC forum type 5
Chip Type:		I-Code SLIX-S others on request
Carrier Frequency:	13.56 MHz	
Communication Rate:	down link 26.4 kbps	
Communication Distance:	0 ... 20 mm	dependent on reader antenna and chip type
Memory:	EEPROM	endurance >10 ⁵ cycles, data retention >50 years (depending on environmental conditions)
Memory Capacity:		1.3 kbit EEPROM
Special Functionality:		see data sheet of chip manufacturer
Operating Temperature:	-25°C ... +85°C	
Storage Temperature:	-40°C ... +125°C	short time +140 °C
Dimensions:	Outer diameter 5.3 mm, Inner diameter 1.8 mm, Thickness 1.0 mm	
Case Material:	FR4, glob top on chip	others on request
Mounting Instructions:	for integration in plastic housings	no usage without housing
Marking:	none	
Services:	- integration service in customized parts - customized NFC form type 5 and memory initialization service	
Appropriate RFID Reader:	PEN reader POCKET reader UNI13 or M30 HEAD	with RS232TTL, USB or Bluetooth interface with USB and Bluetooth interface especially for mobile data capture read write module, for microsensys OEM partners only
HOST Command Set:	see actual API documentation of microsensys iID® driver engine or data sheets of silicon chip manufacturer	

Type :	11.470.032.01	11.470.132.01*	*) on inquiry
Chip Type:	SLIX-S		
Case Format:	only glob top	one side epoxy	
Standard:	ISO 15693		
User Memory:	1.3		
Communication Distance:	up to 10		
			kbit
			mm