

PRODUCT DATASHEET

iID[®] Transponder

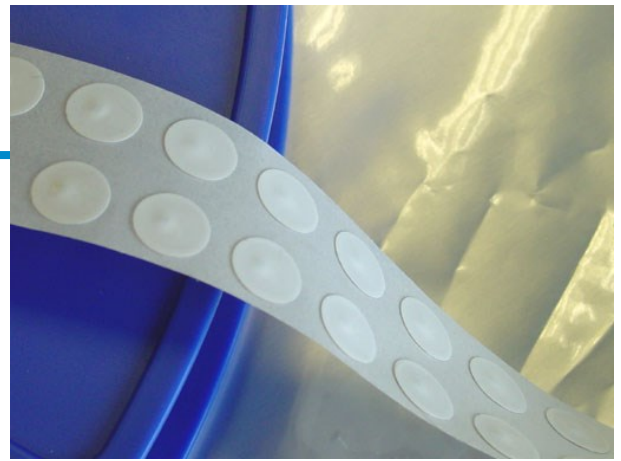
LABEL D11

HF-RFID transponder, label packaging

- passive RFID communication 13.56 MHz
- round label, diameter 10.7 mm
- self adhesive back side, white PP30 cover
- designed for simple part tagging
- building on reel

These transponder device is an integral part of *microsensys* iID[®] system solutions.

This TAG operates with *microsensys* standard RFID reader components and high sensitive demodulators.



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RFID in motion

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

LABEL D11 PP30 004

RFID Technology:	closed coupling RFID system iID [®] 2000, ISO 15693
Chip Type:	I-Code SLI-S, SLI-L, SLIX, my-D SRF055V, iID-M others on request
Carrier Frequency:	13.56 MHz
Communication Rate:	down link approximately 26.4 kbps
Communication Distance:	0 ... 30 mm dependent on reader antenna and chip type
Memory:	EEPROM endurance >100.000 cycles, data retention > 10 years
Memory Capacity:	2 kbit, 10 kbit available
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:	diameter 10.7 mm, TH max. 0.5 mm,
Packaging Material:	PET carrier with adhesive, white PP30 cover
Mounting Instructions:	self adhesive on clean planar surface no direct using on metal
Marking:	no marking optional: laser printing or tampon print
Appropriate RFID Reader:	PEN reader with RS232TTL, USB or Bluetooth interface, for PDA with Compact Flash Card interface POCKET reader with USB and Bluetooth interface especially for mobile data capture HEAD reader with RS232TTL, RS485, USB for industrial application CFC reader for PDA with Compact Flash Card interface UNI13 13.56 MHz read write module for <i>microsensys</i> OEM partner only
HOST Command Set:	see actual API documentation of <i>microsensys</i> 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 :	12.45.610*	12.44.610	12.61.610	
Chip Type:	SLIX	SLI	my-D	
Memory:	896	2 k	10 k	bit
Communication Distance:	25 / 15	20 / 12	25 / 15	mm

*) in development, distance measured with M30 HEAD / PENmini