

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

LABEL D11 PP30 007.docx

RFID Technology:	closed coupling RFID system iID [®] 2000, ISO 15693	
Chip Type:		I-Code SLI-types 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 > 10/60 years
Memory Capacity:		1kbit, 2kbit 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:	PENmini PENsolid POCKET reader HEAD reader UNI13, UNI10	with RS232TTL or USB interface, with Bluetooth interface, with Bluetooth interface, especially for mobile data capture with RS232TTL, RS485, USB for industrial application 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 :	12.45.631	12.46.631*	12.44.620**	
Chip Type:	SLIX	SLIX-S	SLI-S	
Memory:	896	2k/1.6k user	2k	bit
Communication Distance:	25 / 15	20/12	20 / 12	mm

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