

# PRODUCT DATASHEET

iID<sup>®</sup> 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<sup>®</sup> system solutions.

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



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

LABEL D11 PP30 008.docx

<b>RFID Technology:</b>	closed coupling RFID system iID <sup>®</sup> 2000, ISO 15693	
<b>Chip Type:</b>		I-Code SLI-types others on request
<b>Carrier Frequency:</b>	13.56 MHz	
<b>Communication Rate:</b>		down link approximately 26.4 kbps
<b>Communication Distance:</b>	0 ... 30 mm	dependent on reader antenna and chip type
<b>Memory:</b>	EEPROM	endurance >100.000 cycles, data retention > 10/60 years
<b>Memory Capacity:</b>		1kbit, 2kbit available
<b>Special Functionality:</b>		see data sheet of chip manufacturer
<b>Operating Temperature:</b>	-25°C ... +65°C	
<b>Ambient Storage Conditions:</b>		1 year at 10 to25°C, max.60% relative humidity max. 250 cycles -30°C to 85°C
<b>Dimensions:</b>	diameter 10.7 mm, TH max. 0.5 mm,	
<b>Packaging Material:</b>	PET carrier with adhesive, white PP30 cover	
<b>Mounting Instructions:</b>		self adhesive on clean planar surface no direct using on metal
<b>Marking:</b>	no marking	optional: laser printing or tampon print
<b>Appropriate RFID Reader:</b>	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
<b>HOST Command Set:</b>	see actual API documentation of <i>microsensys</i> iID <sup>®</sup> driver engine or data sheets of silicon chip manufacturer	
<b>Software:</b>	different software for Windows PC or mobile devices available, for application software please ask at info@microsensys.de	

<b>Type :</b>	<b>12.45.631</b>	<b>12.46.631*</b>	<b>12.44.620**</b>	<b>12.451.610</b>	
<b>Chip Type:</b>	SLIX	SLIX-S	SLI-S	SLIX2	
<b>Memory (approximate size):</b>	896	2k/1.6k user	2k	2.5k/2k user	bit
<b>Communication Distance:</b>	25 / 15	20/12	20 / 12	20/12	mm

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