

PRODUCT DATASHEET

iID® Transponder

LABEL D11special

HF-RFID transponder, label packaging

- passive RFID communication 13.56 MHz
- round label, white, diameter 13 mm
- self adhesive back side, PU cover
- designed for simple part tagging, on metal
- building on sheet

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

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



microsensys GmbH
In der Hochstedter Ecke 2
D 99098 Erfurt

microSensys
RFID in motion

TEL +49-361-59874 0
E-MAIL info@microsensys.de
FAX +49-361-59874 17
WEB www.microsensys.de

This data sheet is subject to change
contact *microsensys* for latest information

LABEL D11sp 002

| | | |
|---------------------------------|---|---|
| RFID Technology: | closed coupling RFID system iID® 2000, ISO 15693 | |
| Chip Type: | | I-Code SLIX others on request |
| Carrier Frequency: | 13.56 MHz | |
| Communication Rate: | | down link approximately 26.4 kbps |
| Communication Distance: | 0 ... 10 mm | dependent on reader antenna, chip type and metal environment |
| 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 | |
| Storage Temperature: | | -25°C ... 80°C, max.60% relative humidity |
| Dimensions: | diameter 13 mm, TH max. 1,5 mm, | |
| Packaging Material: | flexible ferrite carrier with adhesive, white printable inlet, clear PU cover | |
| Mounting Instructions: | | self adhesive on clean planar surface direct using on metal |
| Marking: | no marking | optional: laser printing or tampon print |
| Appropriate RFID Reader: | PEN mini PEN motion POCKET reader HEAD reader UNI13, Q10 | with RS232TTL, USB or Bluetooth interface, with Bluetooth interface, with USB and 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 : | 12.45.681 | 12.47.681* | *) on inquiry |
| Chip Type: | SLIX | SLIX-S | |
| Memory: | 896 | 1.2k | bit |
| Communication Distance: | 5 | 5 | mm |

distance measured with PENmini