## D4-TAG

**HF-RFID mini transponder, for industrial environmental conditions**
- passive RFID communication 13.56 MHz
- round hard TAG, diameter 3.8 mm
- EPOXY packaging
- for mounting on nonmetal objects
- user memory 1.3 kbit
- designed for item and object tagging

These transponder devices are an integral part of **microsensys iID®** system solutions. They are working optimal with microsensys standard RFID reader components and high sensitive demodulators.

### RFID Technology:
- closed coupling RFID system iID®2000, ISO 15693

### Chip Type:
- SLIX-S
- others on request

### Carrier Frequency:
- 13.56 MHz
down link 26.4 kbp

### Communication Rate:
- dependent on reader antenna, chip type and metal environment

### Communication Distance:
- 0 ... 10 mm

### Memory:
- Memory Capacity: EEPROM
- endurance >10^5 cycles, data retention > 10 (50) years
- 1.3 kbit user memory available
- see data sheet of chip manufacturer

### Operating Temperature:
- -25°C ... +85°C

### Storage Temperature:
- -45°C ... +125°C
- short time 150°C (1h)

### Dimensions Type B .100:
- approx. D 3.8 mm, max. TH 1.2
- half lentil form, one side

### Type C .200:
- approx. D 3.8 mm, max. TH 1.7
- lentil form, both sides

### Packaging Material:
- EPOXY
- EPOXY material in black, other colours on inquiry
- FR4 substrate

### Mounting Instructions:
- Type .100: plane side on ground
- recommended glue: see application note

### Marking:
- no marking

### Appropriate RFID Reader:
- PEN reader
- POCKET reader
- Q9, Q10 13.56 MHz read write module, for microsensys OEM partner only

### HOST Command Set:
- see actual API documentation of microsensys iID® driver engine or data sheets of silicon chip manufacturer
- different software for Windows PC or mobile devices available, for application software please ask at info@microsensys.de

### Special Features:
- extreme long life

### Chip Type:
- SLIX-S

### RF Standard:
- ISO 15693

### Memory:
- 1.3 kbit

### Data Retention:
- >50 years

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