D22-TAGspecial V6

HF-RFID transponder for integration in metal plates, for harsh environmental conditions and long life applications
- passive RFID communication 13.56 MHz
- round TAG, diameter approx. 22 mm
- EPOXY packaging
- for mounting in metal surface or top on metal
- up to 2 kbit EEPROM memory, data retention 50 years
- designed for part and equipment tagging

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

RFID Technology: close coupling RFID system iID®2000, compatible ISO 15693 / NFC forum type 5
Chip Type: I-Code SLI-XS, SLI-X others on request

<table>
<thead>
<tr>
<th>Carrier Frequency</th>
<th>13.56 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication Rate</td>
<td>down link 26.4 kbps</td>
</tr>
<tr>
<td>Communication Distance</td>
<td>0 ... 25 mm</td>
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</tbody>
</table>

Memory:
- Memory Capacity: EEPROM
- Special Functionality: endurance >100.000 cycles, data retention > 50 years
- up to 2 (1.3 user memory) kbit EEPROM

Memory Capacity:
- 13.5.47.60 13.45.60.60* on inquiry

Standard:
- ISO 15693

User Memory:
- 2

Data Retention:
- 50 years

Communication Distance:
- 25 mm

Dimensions:
- approx. D 22 mm, max. TH 5 mm

Packaging Material:
- EPOXY, front side
- back side: mixed ferrite epoxy hermetical encapsulation

Mounting Instructions:
- flat in metal use possible
- or directly in metal plates with D22 mm hole

Marking:
- laser printing possible

Appropriate RFID Reader:
- PEN reader with RS232TTL, USB or Bluetooth interface
- POCKET reader with USB and Bluetooth interface especially for mobile data capture
- UNI13 or M30 HEAD read write module, for microsensys OEM partners only

HOST Command Set:
- see actual API documentation of microsensys iID® driver engine or data sheets of silicon chip manufacturer

Type:
- 13.47.560.60
- 13.45.560.60* *) on inquiry