PRODUCT DATASHEET
iID® RFID Transponder

LABEL1836special

13.56 MHz transponder for industrial applications:
- part and equipment tagging
- especially designed for maintenance applications
- optional barcode printings and TAG initialization
- TAG on metal possible

This transponder package is available with different chip types. They are integral part of microsensys iID system solution. Lens form transponder devices are very useful for product identification in industry and administration especially for tagging of metal objects.

microsensys offers an attractive component platform for closed coupling RFID solutions.

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Carrier Frequency: 13.56 MHz
Technology: RFID system iID® 2000, closed coupling, based on ISO 15693
Memory: read write type: EEPROM, endurance >100,000 cycles, data retention > 10 years, ID-No and user OTP possible
Comm. Distance: up to 30 mm, dependent on reader antenna and metal environment
Dimensions: approx. 20 x 38 mm², max. TH 2.0 mm
Case Material: chip in multi ferrite layer packaging, front side clear PU, hermetically encapsulation
Mounting Instructions: self adhesive, direct using on metal possible
Packaging Units: .680 type as bulk material
.686 type on 181 x 288,4 mm page, 28 pieces per page
Optional Services: graphic printing (customer logo, bar code, running number) memory personalization and initialization
Operating Temperature: -25°C ... +65°C
Storage Temperature: -25°C ... +80°C
Protection Class: IP64
Appropriate RFID Reader: PEN reader, UNI13, POCKET mini, CFC reader, M30 HEAD and more
HOST Command Set: see actual API documentation of microsensys iID driver engine or data sheets of silicon chip manufacturer

TAG Types

<table>
<thead>
<tr>
<th>System:</th>
<th>13.42.681.00</th>
<th>13.63.680.00*</th>
<th>13.61.680.00*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chip Type:</td>
<td>ISO 15693</td>
<td>ISO 15693</td>
<td>ISO 15693</td>
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<tr>
<td>Memory Capacity</td>
<td>1k RW</td>
<td>2k RW</td>
<td>10k RW</td>
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<td>Comm. Rate</td>
<td>26.4</td>
<td>26.4</td>
<td>26.4</td>
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<tr>
<td>Comm. Distance</td>
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<td>25</td>
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</tbody>
</table>

measured with P13 reader antenna type, *) on inquiry

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