mic3 prepackaged

HF-RFID mini transponder, for industrial environmental conditions
- passive RFID communication 13.56 MHz
- round TAG, diameter 2.8 mm
- EPOXY packaging
- for mounting on nonmetal objects
- 16 kbit memory
- 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.

<table>
<thead>
<tr>
<th>RFID Technology:</th>
<th>closed coupling RFID system iID®2000/3000, ISO 15693</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chip Type:</td>
<td>iID®G others on request</td>
</tr>
<tr>
<td>Carrier Frequency:</td>
<td>13.56 MHz</td>
</tr>
<tr>
<td>Communication Rate:</td>
<td>0 ... 3 mm</td>
</tr>
<tr>
<td>Communication Distance:</td>
<td>dependent on reader antenna, chip type and metal environment</td>
</tr>
<tr>
<td>Memory:</td>
<td>EEPROM</td>
</tr>
<tr>
<td>Memory Capacity:</td>
<td>endurance &gt;10⁵ cycles, data retention &gt; 10 years</td>
</tr>
<tr>
<td>Special Functionality:</td>
<td>16 kbit years available see data sheet of chip manufacturer</td>
</tr>
</tbody>
</table>

Operating Temperature: -25°C ... +85°C
Storage Temperature: -45°C ... +125°C

Dimensions Type B .100: D 2.8 mm, TH 1.2 +/-0.1 mm, cylinder form
Packaging Material: EPOXY
Mounting Instructions: EPOXY material clear, other colours on inquiry not using flat in metal antenna top direction recommended glue: see application note
Marking: no marking

Appropriate RFID Reader: PEN reader with RS232TTL, USB or Bluetooth interface, POCKET reader with USB and Bluetooth interface especially for mobile data capture UNI13 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
Software: different software for Windows PC or mobile devices available, for application software please ask at info@microsensys.de

Type: 15.53.200
Special Features: high memory
Chip Type: iID-G
RF Standard: ISO 15693-2
Memory: 16; EEPROM
Data Retention: >10 kbit years
Communication Rate: 26.4 kbps

*on inquiry

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