MINI-TAGspecial 8.5

HF-RFID transponder, for extreme environment
- passive RFID communication 13.56 MHz
- round TAG, diameter 8.5 mm
- PEEK packaging
- on metal and flat mounting in metal possible
- up to 64 kbit memory
- designed for aircraft and automotive part tagging
- successful in industrial applications over 15 years

These transponder devices are an integral part of microsensys iID® system solutions.
This TAG operates with microsensys standard RFID reader components and high sensitive demodulators.

RFID Technology: closed coupling RFID system iID®2000, ISO 15693
Chip Type: other types on request
Carrier Frequency: 13.56 MHz
Communication Rate: down link 26.4 or 106 kbps
Communication Distance: 0 ... 5 mm dependent on reader antenna, chip type and metal environment
Memory: EEPROM endurance >100.000 cycles, data retention 10 years or up to 60 years
Memory Capacity: 2 kbit, 16 kbit and 64 kbit available see data sheet of chip manufacturer
Operating Temperature: -25°C ... +65°C
Storage Temperature: -45°C ... 160°C long term max. +85°C, short time 200°C
Dimensions: D 8.5 +/-0.1 mm, TH 2.0 mm
Packaging Material: PEEK, back side epoxy inlet mixed ferrite epoxy
Marking: laser printing
Mounting Instructions: using flat in metal possible plane and printed side on top recommended glue: 2K-EP “plus endfest 300” UHU GmbH Germany DO160 not all chip types
Environment Condition: IP67 and DO160 proved
Appropriate RFID Reader: PEN reader with RS232TTL, USB or Bluetooth interface, with USB and Bluetooth interface especially for mobile data capture UNI13 or 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
Software: different software for Windows PC or mobile devices available, for application software please ask at info@microsensys.de

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<td>Memory:</td>
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<td>2k FRAM</td>
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measured with Pen mini