mic³-TAG 16kbit

HF-RFID miniature transponder, produced in micрослensys mic³ technology
- passive RFID communication 13.56 MHz
- antenna on silicon (coil on chip)
- smallest size transponder 1.6 x 1.9 x 0.5 mm³
- additional packing necessary
- 16 kbit or 32 kbit EEPROM memory
- designed for special item tagging and brand protection

These transponder device is an integral part of micрослensys iID® system solutions.
This TAG operates with micрослensys standard RFID reader components and high sensitive demodulators.

RFID Technology: closed coupling RFID system iID®2000, based on ISO 15693
Chip Type: iID®-G, iID®-H
Carrier Frequency: 13.56 MHz
down link 26.4 kbps
Communication Rate: dependent on reader antenna, chip type
Communication Distance: and metal environment
0 ... 5 mm
Memory: EEPROM
endurance >100.000 cycles, data retention > 10 years
Memory Capacity: 16 kbit or 32k bit EEPROM available
Special Functionality: see data sheet of chip manufacturer
Operating Temperature: -25°C ... +65°C
Storage Temperature: -25°C ... 150°C
long term max. +85°C, short time 180°C
Dimensions: chip size 1.9 x 1.6 mm, TH approx. 0.5 mm
other thickness on inquiry
Casing Material: no extra packaging, blank silicon
Delivery Package:
type 000
pour
the front side of the silicon chip is polyimide passivated
in waffle pack
sawn and tested wafer, frame
type 010
Mounting Instructions:
special know how necessary
ask microsensys for special support
Marking: no marking
Appropriate RFID Reader:
PEN reader with RS232TTL, USB or Bluetooth interface,
POCKET reader K3 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 micрослensys 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 :
Chip Type: 10.53.004 10.54.004*
* on inquiry
Standard: iID-G
ISO 15693-2
ISO 15693-2
Memory: 16,000; EEPROM
32,000; EEPROM
Communication Rate: 26.4 26.4
kbps
Communication Distance: 3 3
mm
measured with PENmini

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