iID® transponder

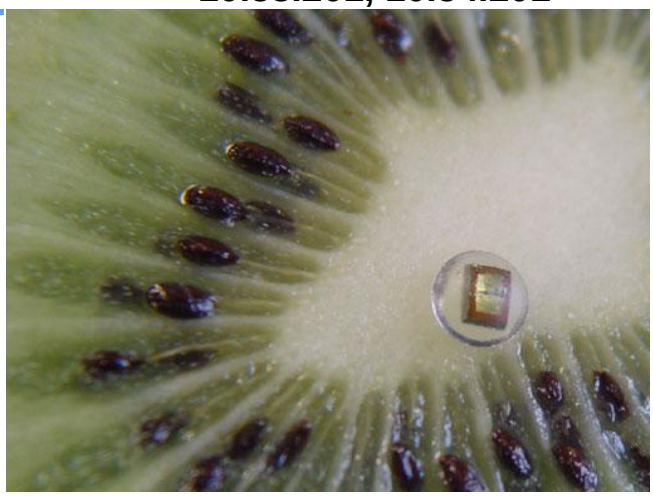
Product Data Sheet

mic3®-TAG prepackaged

10.13.201
10.53.201, 10.54.201

13.56 MHz closed coupling transponder, 64bit PROM read only, 16kbit or 32kbit EEPROM read write, in *mic3* technology

mic3-TAGs are very useful for high volume applications and small part tagging.
microsensys offers an attractive component platform for closed coupling RFID solutions.



picture: mic3-64-D prepackaged on Kiwi

Technology: RFID system *iID*®2000
passive RF transponder, *mic3*® technology (high Q coil on chip technology)
closed coupling, 13.56 MHz, based on ISO 15693

Memory: EEPROM, read/write, endurance >100.000 cycles, data retention >10 years
ID-No and user OTP possible
PROM, read only, data retention >25 years, laser programmed ID-No

Carrier Frequency: 13.56 MHz
Communication Distance: 0 ... 5 mm dependent on chip type and reader antenna

Type :	**10.13.201**	**10.53.201**	**10.54.201**	
System:	no ISO	ISO 15693-2	ISO 15693-2	
Chip Type:	iID-N (D)	iID-G	iID-H	
Communication Rate:	26.4	26.4	26,4	kbps
Memory Capacity:	64 PROM	16,000 EEPROM	32.000 EEPROM	bit
Operating Distance:	2	2.5	2.5	mm

operating distance with K3 PEN reader antenna, coil side on top

Dimensions: TAG size approx. D 3.5 mm, TH 1.0 mm
half lens form

Packaging Material: epoxy, transparent

Delivery Package: pour, minimum 500 pieces

Mounting Instructions: microsensys supports device implementation for different processes
using flat on metal in generally possible (coil side on top)
recommended glue: see application note

Operating Temperature: 0°C ... +65°C
Storage Temperature: -40°C ... +150°C

Appropriate RFID Reader:
PEN reader — with RS232TTL, USB, Compact Flash Card interface or Bluetooth interface with K3 antenna
Pocket Reader — mobile handheld device with M12 antenna with USB or Bluetooth interface

HOST Command Set: see actual API documentation of microsensys iID driver engine

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