

13.56 MHz closed coupling transponder, 64 bit read only, in *microsensys mic3* technology

The *mic3*-TAG is very useful for high volume applications and small part tagging.

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

Picture: DC 10.11.000



Technology:

RFID system *iID*[®] 2000
passive RF transponder, *mic3*[®] technology (high Q coil on chip technology)
closed coupling, 13.56 MHz

Memory:

laser programmed ROM
unique ID-No

Carrier Frequency: 13.56 MHz

Communication Distance: 0 ... 5 mm

dependent on reader antenna

Type :

10.11.000*)

10.13.000

Chip Type:

iID-N

iID-N double chip

Communication Rate:

26.4

26.4

kbps

Memory Capacity:

64

64

bit

Chip Size:

1.0 x 1.6

2.0 x 1.6

mm²

Operating Distance:

1.5

2.5

mm

operating distance with K3 PEN reader antenna, *) on inquiry

Dimensions / Chip Packaging:

chip size 2.0 x 1.6 +/-0.05 mm, TH approx. 0.5 mm
other thickness on inquiry
the front side of the silicon chip is polyamide passivated

Delivery Package:

type 000

type 001

type 002

pour
in waffle pack
sawn and tested wafer, frame

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:

-45°C ... +200°C

Appropriate RFID Reader: PEN reader

with RS232TTL, USB, Compact Flash Card interface or
Bluetooth interface with K3 antenna

M12 HEAD

industrial 13.56 MHz read write unit with M12 antenna
for *microsensys* OEM partner only

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