

### D14-TAGspecial

DM 12.00.550

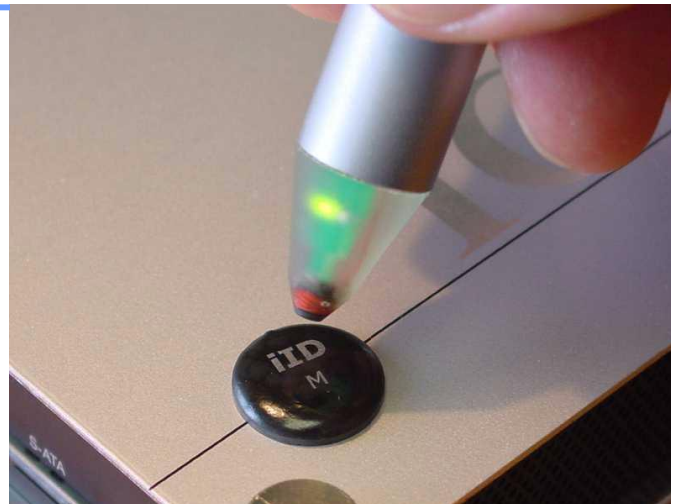
**13.56 MHz transponder,  
from 64bit read only  
up to 256kbit EEPROM read write,  
in mid size half lens form, TAG on metal**

This transponder package is available with different chip types based on ISO 15693 or 14443. They are integral part of *microsensys* iID system solution.

Lens form transponder devices are very useful for product identification in industry and administration especially for tagging of metal objects.

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

picture: DM 12.32.550



**Technology:**

RFID system iID<sup>®</sup> 2000  
closed coupling, 13.56 MHz, based on ISO 15693

**Memory:**

read only type: laser programmed ROM  
read write type: EEPROM, endurance >100.000 cycles  
data retention >10 years

**Carrier Frequency:** 13.56 MHz

**Communication Distance:** 0 ... 15 mm, dependent on chip type, reader antenna and metal environment

Type :	12.32.550	12.53.550	
<b>System:</b>	ISO 15693 RTF, iID2000	ISO 15693-2 RTF, iID2000	
<b>Chip Type:</b>	iID-M	iID-G	
<b>Communication Rate:</b>	26.4	26.4	kbps
<b>Memory Capacity:</b>	2k RW	16k RW	bit
<b>Communic. Distance:</b>	10	10	mm
measured with P13 reader antenna type			

**Packaging:** multi layer plastic package, front side black EP (laser printed)

**Dimensions:** approx. D 15 mm, max. TH 2.5 mm, half lens case

**Mounting Instructions:** direct using on metal

**Operating Temperature:** -25°C ... +85°C

**Storage Temperature:** -45°C ... +125°C (180°C for short time)

**Appropriate RFID Reader:** PEN reader with RS232TTL, USB, CFC or Bluetooth interface,  
CFC reader for PDA with Compact Flash Card interface  
HEAD reader with RS232TTL, RS485 or USB for industrial application  
UNI13-Q20 RFID 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

glossary: OTP one time programmable, TTF tag talk first, RTF reader talk first, RW read/write, RO read only, RFID radio frequency identification, D diameter, TH thickness, EP epoxy, GF glass fiber reinforced