iID® transponder

Product Data Sheet

D6.7-TAGspecial

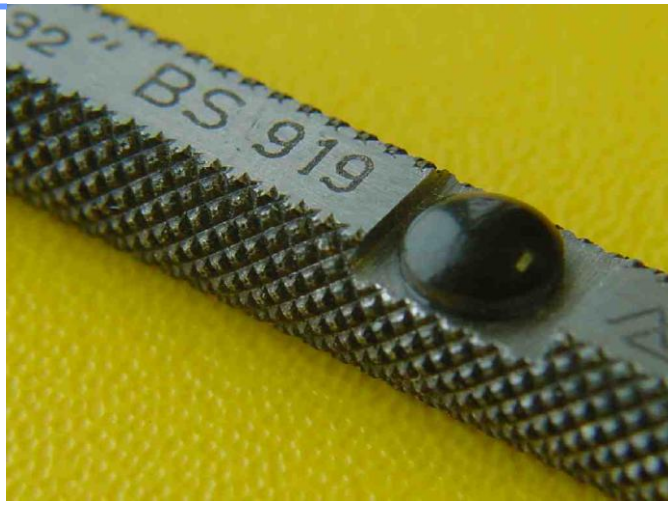
DM 11.32.550 / 11.34.550
DM 11.53.550

13.56 MHz transponder, 64bit read only, 2kbit and 16kbit EEPROM read write, in small half lens form, TAG on metal

This transponder package is available with different chip types based on ISO 15693. 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 10.53.550

Technology: RFID system iID® 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 ... 10 mm, dependent on chip type, reader antenna and metal environment

Type :	**11.34.550**	**11.32.550**	**11.53.550**	
System:	no ISO TTF, iID2000	ISO 15693 RTF, iID2000	ISO 15693-2 RTF, iID2000	
Chip Type:	iID-N	iID-M	iID-G	
Communication Rate:	26.4	26.4	26.4	kbps
Memory Capacity:	64 RO	2k RW	16k RW	bit
Communic. Distance:	5	5	5	mm

measured with P10 reader antenna type

Packaging: multi layer plastic package, front side black EP
without product marking

Dimensions: approx. D 6.7 mm, max. TH 2.5 mm, half lens case

Mounting Instructions: direct using on metal possible,
plane side on metal
recommended glue: 2K-EP “plus endfest 300” UHU GmbH Germany

Operating Temperature: -25°C ... +85°C
Storage Temperature: -45°C ... +125°C (150°C for short time)

Appropriate RFID Reader: PEN reader with RS232TTL, USB, CFC or Bluetooth interface,
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

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