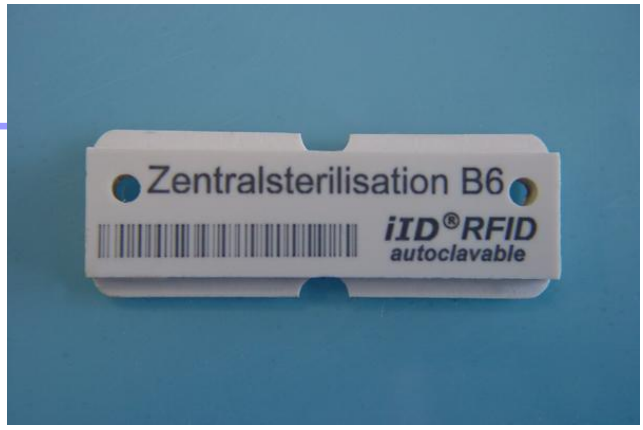
PRODUCT DATASHEET

iID® RFID Transponder



ELMI-TAG

13.56 MHz transponder for medical applications and harsh environmental conditions:

- **hospital management**
- **sterilization container tagging**
- **TAG on metal possible**

This transponder package is available with different chip types based on ISO 15693 or ISO 14443. They are integral part of microsensys iID system solution. It is especially designed for tagging of metal objects and using in autoclaving processes.

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

microSensys
RFID in motion

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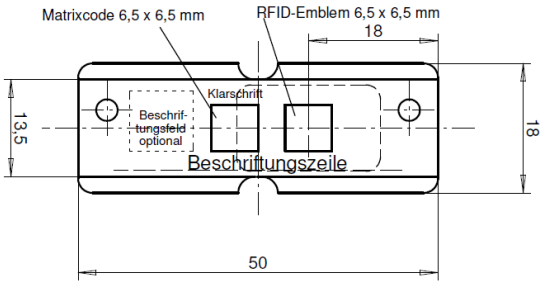
Carrier Frequency: 13.56 MHz
Technology: RFID system iID®2000 or iID®3000
closed coupling, based on ISO 15693 or ISO 14443B

Memory: read write type: EEPROM, endurance >100.000 cycles, data retention > 10 years,
ID-No and user OTP possible

Comm. Distance: up to 40 mm, dependent on chip type, reader antenna and metal environment
Dimensions: approx. 50 x 18 mm, max. TH 4 mm, see following drawing



Packaging Material: PPSU carrier (beige), chip cavity in multi ferrit layer epoxy packaging,
hermetically encapsulated, especially for sterilisation or autoclaving processes
Mounting Instructions: direct using on metal possible, plane side on metal, tool holder or screw together

Marking: standard laser printed, optional two colour tampon printing,
optional matrix or bar code possible, including initialization of transponder chip

Operating Temperature: -25°C ... +85°C **Storage Temperature:** -45°C ... +100°C
Additional Special Conditions: short time and cycle stress up to 2.5 bar and 140°C possible, max. 500 cycles
tested with KSG 110

Appropriate RFID Reader: PEN reader, UNI13, POCKET mini, CFC reader, M30 HEAD and more

Product Code	**13.26.560****	**13.32.560****	**13.61.560**	
System:	ISO 14443B	ISO 15693	ISO 15693	
Chip Type:	iID-K	iID-M	my-D	
Memory Capacity	64k RW	2k RW	10k RW	bit
Comm. Rate	106	26.4	26.4	kbps
Comm. Distance	15	25	25	mm

measured with P13 reader antenna type, *) in development, **) on inquiry