

Q43-TAGspecial

DM 13.00.550

**13.56 MHz transponder,
1kbit up to 512kbit EEPROM,
in quarter chipcard size
for using on metal**

This transponder package is available with different chip types based on ISO 15693 and ISO14443. They are integral part of *microsensys* iID-2000 and iID-3000 system solution. Harsh environmental packaging makes these transponder devices very useful for product identification in industry and logistic.

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

picture: Q43-TAGspecial, printed



Technology: RFID system iID[®] 2000 / 3000
closed coupling, 13.56 MHz, based on ISO 15693 / 14443

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

Carrier Frequency: 13.56 MHz

Communication Distance: 0 ... 50 mm dependent on reader antenna and metal environment

Type :	13.61.550	13.27.550	13.28.550	
System:	ISO 15693	ISO 14443	ISO 14443	
	RTF, iID2000	TTF, iID3000	TTF, iID3000	
Chip Type:	my-D plane	iID-L	iID-L	
Communication Rate:	26.4	106	106	kbps
Memory Capacity:	10k RW	256k RW	512k RW	bit
Communic. Distance:	20	12	12	mm

measured with P13 reader antenna type, low power mode, on metal

Packaging: epoxy (EP), glass fiber reinforced, multi layer ferrite
black EP on top,

Dimensions: approx. 43 x 27 mm², max. TH 3 mm, half lentil case, one side

Marking: laser printed
optional : bright colour printed or customized laser printing possible

Mounting Instructions: direct using on metal possible

Operating Temperature: -25°C ... +65°C

Storage Temperature: -45°C ... +125°C

Appropriate RFID Reader: CFC reader for PDA with Compact Flash Card interface
HEAD reader with RS232TTL, RS485 or USB for industrial application
INDUSTRY reader with RS232TTL or RS485 for industrial application
UNI13 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