

# PRODUCT DATASHEET

iID® RFID Transponder

## LABEL 1836special

13.56 MHz transponder for industrial applications:

- part and equipment tagging
- especially designed for maintenance applications
- optional barcode printings and TAG initialization
- TAG on metal possible

This transponder package is available with different chip types. They are integral part of microsensus iID system solution. Lens form transponder devices are very useful for product identification in industry and administration especially for tagging of metal objects.

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



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<b>Carrier Frequency:</b>	13.56 MHz
<b>Technology:</b>	RFID system iID®2000, closed coupling, based on ISO 15693
<b>Memory:</b>	read write type: EEPROM, endurance >100.000 cycles, data retention > 10 years, ID-No and user OTP possible
<b>Comm. Distance:</b>	up to 30 mm, dependent on reader antenna and metal environment
<b>Dimensions:</b>	approx. 20 x 38 mm <sup>2</sup> , max. TH 2.0 mm limited flexible (minimum bend radius 50mm)
<b>Case Material:</b>	chip in multi ferrite layer packaging, front side clear PU, hermetically encapsulation
<b>Mounting Instructions:</b>	self adhesive, direct using on metal possible
<b>Packaging Units:</b>	.680 type as bulk material .686 type on 181 x 288,4 mm page, 28 pieces per page
<b>Optional Services:</b>	graphic printing (customer logo, bar code, running number) memory personalization and initialization
<b>Operating Temperature:</b>	-25°C ... +65°C
<b>Storage Temperature:</b>	-25°C ... +80°C
<b>Protection Class:</b>	IP64
<b>Appropriate RFID Reader:</b>	PEN reader, UNI13, POCKET mini, CFC reader, M30 HEAD and more
<b>HOST Command Set:</b>	see actual API documentation of microsensus iID driver engine or data sheets of silicon chip manufacturer

TAG Types	13.42.681.00	13.63.680.00*	13.61.680.00*	
<b>System:</b>	ISO 15693	ISO 15693	ISO 15693	
<b>Chip Type:</b>	I-CODE SLI	my-D	my-D	
<b>Memory Capacity</b>	1k RW	2k RW	10k RW	bit
<b>Comm. Rate</b>	26.4	26.4	26.4	kbps
<b>Comm. Distance</b>	20	25	25	mm

measured with P13 reader antenna type, \*) on inquiry

