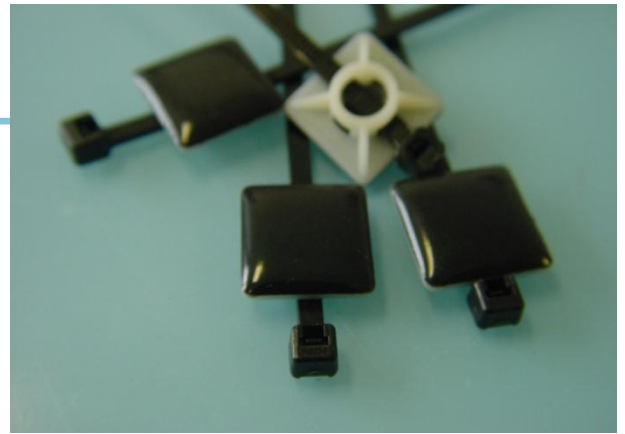


PRODUCT DATASHEET

iID® RFID Transponder



TIE-TAGreusable

13.56 MHz transponder for industrial applications in harsh environmental conditions:

- cable, pipe or equipment tagging
- high and long life memory available
- some types certified for ATEX zone 1

This transponder package is available with different chip types. They are integral part of microsensus iID system solution. These special plastic cable binder transponder devices are very useful for tagging solutions in industry and administration.

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



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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 (special types >60 years), ID-No and user OTP possible
Comm. Distance:	up to 30 mm, dependent on reader antenna and metal environment
Dimensions:	original tie type plus removable epoxy packaged TAG 19 x 19 mm
Packaging Material:	chip in multi layer epoxy packaging, front side black EP, hermetically encapsulation
Mounting Instructions:	by cable binder (material PA6.6)
Marking:	standard laser printed, optional one colour tampon printing
Operating Temperature:	-25°C ... +65°C
Storage Temperature:	-40°C ... +85°C, high temperature on request
Appropriate RFID Reader:	PEN reader, POCKET mini, CFC reader, M30 HEAD and more
HOST Command Set:	see actual API documentation of microsensus iID driver engine or data sheets of silicon chip manufacturer

TAG Types	12.32.776.50	12.36.776.00*	12.53.776.00	12.26.776.00*	
System:	ISO 15693	ISO 15693	ISO 15693-2	ISO 14443B	
Chip Type:	iID-M, ATEX	iID-M long life	iID-G	iID-K	
Memory Capacity	2k RW	2k RW	16k RW	64k RW	bit
Data Retention	>10	>60	>10	>10	years
Comm. Rate	26.4	26.4	26.4	106	kbps
Comm. Distance	20	20	20	10	mm

measured with P13 reader antenna type, *) on inquiry

