

PRODUCT DATASHEET

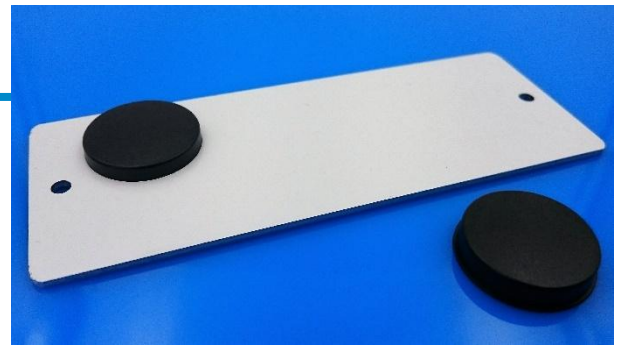
iID® Transponder

D22-TAGspecial V6

HF-RFID transponder for integration in metal plates, for harsh environmental conditions and long life applications

- passive RFID communication 13.56 MHz
- round TAG, diameter approx. 22 mm
- EPOXY packaging
- for mounting in metal surface or top on metal
- up to 2 kbit EEPROM memory, data retention 50 years
- designed for part and equipment tagging

These transponder device is an integral part of *microsensys* iID® system solutions.



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microSensys
RFID in motion

This is data sheet is subject to change
Contact us for latest information

D22sp V6 002.docx

RFID Technology:	close coupling RFID system iID®2000, compatible ISO 15693 / NFC forum type 5	
Chip Type:	I-Code SLI-XS, SLI-X others on request	
Carrier Frequency:	13.56 MHz	
Communication Rate:		down link 26.4 kbps
Communication Distance:	0 ... 25 mm	dependent on reader antenna, chip type and metal environment
Memory:	EEPROM	endurance >100.000 cycles, data retention > 50 years
Memory Capacity:		up to 2 (1.3 user memory) kbit EEPROM
Special Functionality:		see data sheet of chip manufacturer
Operating Temperature:	-25°C ... +55°C	
Storage Temperature:	-45°C ... +65°C	long term max. +55 °C, short time +85 °C
Dimensions:	approx. D 22 mm, max. TH 5 mm	
Packaging Material:	EPOXY, front side	back side: mixed ferrite epoxy hermetical encapsulation
Mounting Instructions:	flat in metal use possible or directly in metal plates with D22 mm hole	
Marking:	laser printing possible	
Appropriate RFID Reader:	PEN reader POCKET reader UNI13 or M30 HEAD	with RS232TTL, USB or Bluetooth interface with USB and Bluetooth interface especially for mobile data capture read write module, for microsensys OEM partners only
HOST Command Set:	see actual API documentation of microsensys iID® driver engine or data sheets of silicon chip manufacturer	

Type :	13.47.560.XX	13.45.560.XX*	*) on inquiry
Chip Type:	SLI-XS	SLI-X	
Standard:	ISO 15693	ISO 15693	
User Memory:	2	1	kbit
Data Retention:	50	50	years
Communication Distance:	25	25	mm