

iID[®] transponder

Product Data Sheet



SCREW-TAG PSW13

DT 15.52.805

DT 15.32.805

13.56 MHz transponder, as plastic screw

This transponder package is available with different chip types based on ISO 15693. They are integral part of *microsensys* iID-2000 system solution. This plastic screw transponder devices are very useful for product identification in industry and administration.

It can use in harsh environment including as screw for metal items.

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

picture: DT 10.52.803



Technology:

RFID system iID[®] 2000
closed coupling, 13.56 MHz, based on ISO 15693

Memory:

laser programmed ROM
or
EEPROM, endurance >100.000 cycles, data retention >10 years
ID-No and user OTP possible

Carrier Frequency: 13.56 MHz

Communication Distance: 0 ... 20 mm dependent on reader antenna and metal environment

Type :

	15.32.805	10.53.805	15.xx.805*)	
System:	ISO 15693	ISO 15693-2	EPC	
Chip Type:	iID-M	iID-G		
Memory Capacity:	2,000	16,000	96	bit
Communication Distance:	10	10	20	mm

Material:

plastic, 45% GF

Dimensions Type xx.805:

D 8 mm, L 50 mm, SW 13

Mounting Instructions:

see application notes

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

Storage Temperature: -40°C ... +85°C

Appropriate RFID Reader:

PEN reader	with RS232TTL, USB or Bluetooth interface, for PDA with Compact Flash Card interface
HEAD reader	with RS232TTL, RS485, USB for industrial application
CFC reader	for PDAs or Industry Hand Helds

HOST Command Set: see actual API documentation of *microsensys* iID driver engine or data sheets of silicon chip manufacturer

*) in development