

**SCREW-TAG PSW10**

**DT 10.52.803**  
**DT 10.11.803, 10.53.803**

**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.



**Technology:**

RFID system iID<sup>®</sup> 2000  
mic3<sup>®</sup> technology  
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 ... 3 mm dependent on reader antenna and metal environment

Type :	10.11.803	10.52.803	10.53.803	
<b>System:</b>	iID-2000	ISO 15693-2	ISO 15693-2	
<b>Chip Type:</b>	iID-N	iID-G	iID-G	
<b>Communication Rate:</b>	26.4			kbps
<b>Memory Capacity:</b>	64 RO	2,000	16,000	bit
<b>Communication Distance:</b>	3	2	2	mm

**Material:** plastic, 45% GF

**Dimensions Type xx.803:** D 6.3 mm, L 19 mm, SW 10  
**Type xx.804:** D 6.3 mm, L 25 mm, SW 10

**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

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