iID® transponder

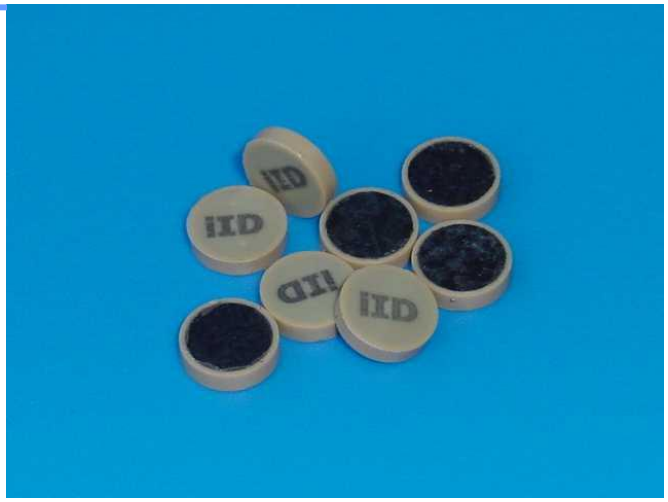
Product Data Sheet

MINI-TAGspecial 8.5 DM 15.00.502

13.56 MHz transponder, 2kbit or 16kbit EEPROM read write, for using flat in metal and under harsh environment conditions

This special transponder package is available with different chip types based on ISO 15693. The packaging is especially designed for using flat in metal.

The MINI-TAGspecial 16kbit is using successful in industrial applications over 7 years.
microsensys offers an attractive component platform for closed coupling RFID solutions.



Technology: RFID system iID® 2000
closed coupling, 13.56 MHz, based on ISO 15693

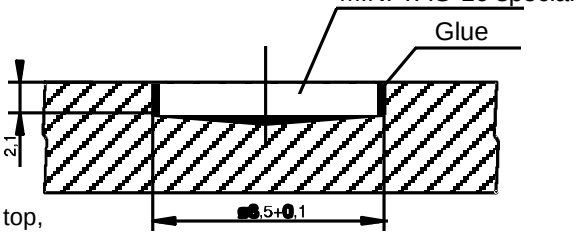
Memory: EEPROM, endurance >100.000 cycles, data retention >10 years
ID-No and user OTP possible

Carrier Frequency: 13.56 MHz
Communication Distance: 0 ... 5 mm dependent on reader antenna and metal environment

Type :	**15.32.502**	**15.53.502**	**15.54.502***	
System:	ISO 15693	ISO 15693-2		
Chip Type:	iID-M	iID-G		
Communication Rate:	26.4	26.4		kbps
Memory Capacity:	2,000	16,000	32,000	bit
Operating Distance:	3	2,5	2.5	mm

with K3 PEN reader antenna, flat in metal, low power mode

Dimensions: D 8.5 +/-0.1 mm, TH 2.0 mm



Casing Material: PEEK, epoxy,
inlet mixed ferrite epoxy

Mounting Instructions: using flat in metal possible,
plane and printed side on top,

recommended glue: 2K-EP “plus endfest 300” UHU GmbH Germany

Operating Temperature: -25°C ... +65°C
Storage Temperature: -45°C ... +150°C

Appropriate RFID Reader:

PEN reader	with RS232TTL, USB, Compact Flash Card interface or Bluetooth interface
M12 HEAD	industrial 13.56 MHz read write unit with M12 antenna for microsensys OEM partner only

HOST Command Set: see actual API documentation of microsensys iID driver engine

*) in development

MICROSENSYS GmbH, In der Hochstedter Ecke 2, D 99098 Erfurt
Tel. +49-361-598740, Fax +49-361-5987417, e-mail: info@microsensys.de