

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

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



microsensys GmbH
In der Hochstedter Ecke 2
D 99098 Erfurt

TEL +49-361-59874 0
E-MAIL info@microsensys.de
FAX +49-361-59874 17
WEB www.microsensys.de

This data sheet is subject to change. Please contact microsensys for latest technical information. Picture may differ from original product.

D22-DUALTAGsp V6 001.DOCX

Contactless interface:

near field HF RFID system iID®2000

Chip Type / Compliance:

em | echo-V / NFC forum type 5 compatible ISO15693/18000-3

Carrier Frequency / Communication Rate:

13.56 MHz

26.4 kbps

Polarisation:

linear

Communication Distance:

HF: 0 ... 25 mm

(depending on reader system and environmental conditions)

Memory parameters:

EPC/TID memory:

64bit UID

User memory:

up to 2.5 kbit memory

Type:

EEPROM

Endurance:

100000 cycles, data retention min. 50 years (T<55°C)

Sensor / security features:

Sensors:

-

Write protection:

-

Password:

lock feature

Authentication:

-

Originality:

-

Mechanical:

Dimensions:

approx. D 22 mm, max. TH 5 ± 0.5 mm

Packaging material:

front side: PA66 GF30, back side: mixed ferrite epoxy

EPOXY Material in black, other colours on inquiry

flat in metal use possible

Mounting Instructions:

or directly in metal plates with D22 mm hole

Marking:

laser printing possible

Environmental:

Temperature and climate resistance:

Storage temperature:

-45°C ... +65°C

Operating temperature:

-25°C ... +60°C

Environmental test conditions:

storage in climate chamber (85%rH, 85°C) for 24 hours

IP-Protection class:

IP 68

Chemical resistance:

Immerse for 24 hours:

-

Mechanical resistance:

Vibration:

-

Drop test:

according to IEC60068-2-31

Operation:

Functions:

INVENTORY, READ, WRITE, (PERMA)LOCK

Measurement:

-

Reading:

Industrial environment:

Desktop/OEM environment:

Mobile use:

stationary industrial read write unit

M30 Head

iID® POCKETwork, iID® PENsolid wireless reader with Bluetooth™ interface

Software:

iID® DEMOsoft for PC x86/x64, iID® UII writer for PC x86/x64

iID® DEMOsoft for Android

Device interface:

ISO15693/18000-3, NFC forum type 5 compatible

iID® driver engine Windows/Android (for iID® contactless RFID interfaces)

D22-TAGspecial V6

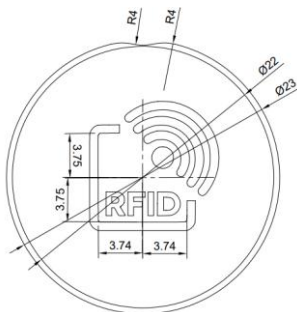


Device type:	13.47.560.70	13.47.560.XX*	13.451.560.XX	Unit
Chip type	SLIX-S	SLIX	SLIX2	
RF Standard	ISO 15693	ISO 15693	ISO 15693	
Memory / User Memory	2; EEPROM	1; EEPROM	2.5k / 2k EEPROM	kbit
Data Retention	>50	>50	>50	years
Commun. Rate	26.4	26.4	26.4	kbps
Write Time	5	5	5	ms
Special features	-	-	-	

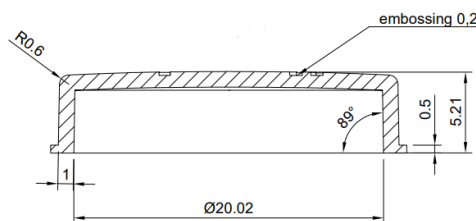
*on inquiry

Drawing & Application of D22-TAGspecial:

Top view



Front view



Application:

