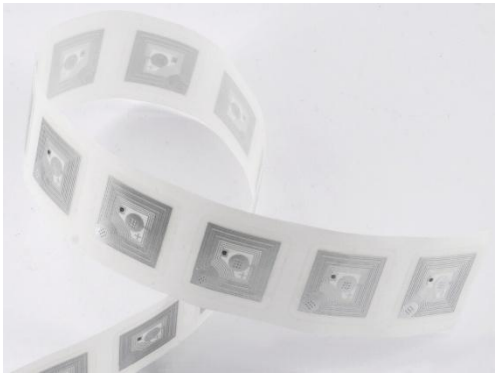
INLET Q18

HF-RFID transponder inlet

- passive RFID communication using 13.56 MHz
- NFC Forum Type 5 Tag compliant (ISO/IEC 15693)
- square-shaped label 18 mm x 18 mm
- engineered for high performance and easy application
- self-adhesive back side
- designed for simple part tagging
- building on reel



This transponder device is an integral part of microsensys' iID® system solution. This TAG operates with best performance together with microsensys standard RFID reader components using highly sensitive demodulators.

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This data sheet is subject to change.
Picture may differ from original product.

Contactless Interface:	HF close coupling system iID®2000
Chip Type:	ICODE® SLIX2
Antenna:	14.5 x 14.5 mm (+- 0.5mm)
Compliance:	NFC forum type 5, ISO15693/18000-3
Carrier Frequency / Communication Rate:	13.56 MHz, up to 53 kbit/s
Communication Distance:	0 … 20 mm, depending on reader system and environmental conditions
Data Memory:	non-volatile memory
Memory Capacity:	2.5 kbit user memory
Endurance:	write endurance min. 10^5 cycles, data retention min. 50 years
Security Features:	on request
Memory Management:	password (32-bit) protected read / write access
Mechanical / Environmental:	
Dimensions:	square shape, 18 mm x 18 mm, thickness typ. 0.134 mm
Operating Temperature:	-40 °C ... +85 °C
Storage Temperature:	1 year at +20 °C, 50 % RH
Packaging Material:	clear PET carrier with adhesive
Back Layer:	siliconized paper
Antenna:	aluminum, crimped coil
Cleanroom class:	≤ 7
Mounting Instructions:	self-adhesive on clean and planar surfaces, no direct application on metal
Marking:	none
IP-Protection Class:	-
Operation:	
Functions:	SELECT, READ_UID, READ, WRITE, LOCK
Desktop/OEM Reading Devices:	iID® module UNI13, iID® module Q10.700
Mobile Use:	iID® PENsolid, iID® POCKETwork wireless reader with Bluetooth™ interface
Software:	iID® DEMOsoft for PC x86/x64, iID® DEMOsoft for Android
Device Interface:	iID® driver engine Windows/Android (for iID® contactless RFID interfaces)

Ordering Information:

Product Code:	**12.451.612.XX**
Chip Type:	ICODE® SLIX2
User memory:	2.5 kbit EEPROM
Data Retention	min. 50 years @ 55 °C
Communication Rate:	53 kbit/s

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