

PRODUCT DATASHEET

iID[®] Transponder

UHF PLATE 2570

robust UHF TAG on metal

- passive RFID UHF band, EPC Class1 Gen2
- black stainless steel plate with RFID dot
- optional: 2D laser print, graphic printing, deep laser print
- EEPROM memory
- mounting with cable ties or metal bands
- using under very harsh environmental conditions
- especially designed for asset management of metal and non-metal objects

These transponder device is an integral part of *microsensys* iID[®] system solutions.



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This data sheet is subject to change
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UHF-PLATE2570 003

RFID Technology:	far field RFID system iID [®] 4000, based on ISO 18000-6c, EPC Class1 Gen2	
Chip Types:	ALIEN HIGGS 3 or IMPINJ M4	
Frequency Range:	860-928MHz	
Minimum Operating Power:	-18 dBm	
Polarisation:	linear	
Communication Rate:	forward link: 40-160kBit/s return link: 40-640kBit/s	
Communication Distance:	0 ... 1m on non-metal 0 ... 1m on metal dependent on reader system and environmental conditions	
Memory:	EEPROM endurance 100000 cycles, data retention 50 year (T<55°C) features are depending on used RFID chip	
Memory Capacity:	standard 512 bit user memory, 96 bit EPC memory, 64 bit TID memory	
Special Functionality:	see chip manufacture data sheet	
Operating Temperature:	-40°C ... +85°C	
Storage Temperature:	-45°C ... +125°C up to 200°C on inquiry	
Dimensions:	approx. 25 x 70mm ² , thickness stainless steel 0.5mm, RFID dot thickness max. 4.0mm	
Packaging Material:	high quality stainless steel plate, RFID dot packaged in PEEK / Epoxy	
Mounting Instructions:	with cable tie or metal bands on metal or non metal objects uniform bending in the transverse direction possible, minimum R150mm	
Marking:	laser printing optional: customized graphic laser printing, bar code or 2D code laser printing, deep laser printed running number, electronic initializing	
Appropriate RFID Reader:	POCKETwork UHF CASIO IT-800 UHF INDUSTRY 0906 UHF others possible	pocket reader handheld industry computer stationary reader with integrated or separate antenna

Type :	16.921.453.00	16.932.453.00	
Chip Type:	ALIEN HIGGS 3	IMPINJ M4	
Memory:	512 (user)		bit
Data Retention:	50		years
Communication Distance:	1		m