

PRODUCT DATASHEET

iID® Transponder

D24 UTAGspecial

robust UHF TAG

- passive RFID communication ISM UHF band, EPC Class1 Gen2 EEPROM memory
- EEPROM memory
- TAG for plastic devices and metal objects
- using under high temperature and harsh environmental conditions
- especially designed for asset management of non-metal and metal objects

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



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This data sheet is subject to change
Contact us for latest information

D24-UTAGspecial 001

RFID Technology:	far field UHF	based on ISO 18000-6c, EPC Class1 Gen2
Chip Types:		Alien Higgs 3
Frequency Range:	860-928MHz	
Polarisation:		linear
Communication Distance:	0 ... 0.5 m	dependent on reader system and environmental conditions
Memory:	EEPROM	endurance 100000 cycles, data retention 50 years (T<55°C) features are depending on used RFID chip
Memory Capacity:	standard	512bit User memory, 240 bit EPC memory, 64 bit TID memory
Special Functionality:		see chip manufacture data sheet
Operating Temperature:	-40°C ... +65°C	
Storage Temperature:		-45°C ... +65°C, max. 85°C short term
Dimensions:	24 x 4.5 mm	package type S24
Packaging Material:	plastic case with epoxy	
Mounting Instructions:	see application note	
Marking:	laser printed	
Appropriate RFID Reader:	POCKET UHF CASIO IT-800 UHF INDUSTRY 0906 UHF others possible	pocket reader handheld industry computer stationary reader with integrated or separate antenna
HOST Command Set:	see actual API documentation of <i>microsensys</i> iID® driver engine	

Type :	-	
Chip Type:	Alien Higgs 3	
Data Retention:	50	years
Case Material:	plastic case with epoxy	