Q72 UTAG

UHF-RFID Tag on metal
- passive RFID communication ISM UHF band, EPC Class1 Gen2
- EEPROM memory
- non-metallic and metallic mounting possible
- laser printing on black epoxy or graphic printing on PE
- mounting: back side self-adhesive or two drills
- especially designed for asset management of metal and non-metal objects under industrial conditions

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

RFID Technology: far field RFID system iID®4000, based on ISO 18000-6c, EPC Class1 Gen2
Chip Types: NXP UCODE G2XM or UCODE G2XL

Frequency Range: preferably EU ISM Band 860-868MHz
Minimum Operating Power: -8 dBm
Polarisation: linear
Communication Rate: forward link: 40-160kBit/s
return link: 40-640kBit/s
Communication Distance: 0 … 4 m on non-metal
0 … 4 m on metal
dependent on reader system and environmental conditions

Memory: EEPROM
Memory Capacity: endurance 100000 cycles, data retention 50 year (T<55°C)
User Memory: standard
optional
Special Functionality: see chip manufacture data sheet

Operating Temperature: -40°C ... +85°C
Storage Temperature: -45°C ... +85°C

Dimensions: approx. 70 x 18 x 3.5 / 4.5 mm³

Packaging Material:
version 151 EPOXY case on fibre-glass reinforced substrate
version 152 PE foil on fibre-glass reinforced substrate

Mounting Instructions: back side self-adhesive or two drills for screw or rivet mounting

Marking:
version 151 laser printing
version 152 graphic one colour printing
optional:

Appropriate RFID Reader:
Casio IT-800 UHF
Industry 0605 UHF
Kenetics Volaré UHF-LR
others possible

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

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<td>Packaging:</td>
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<td>Thickness:</td>
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<td>Communication Distance:</td>
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Thickness: appr. 4.5 mm
Communication Distance: 4 m
measured Kenetics Volaré UHF-LR