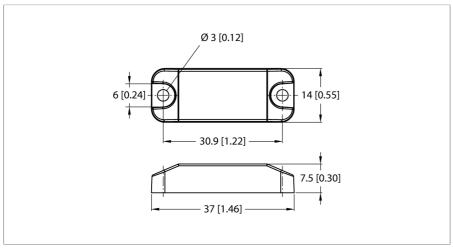


## TW902-928-Q14L37-M-HT-B112





Type designation TW902-928-Q14L37-M-HT-B112 Ident-No. 100004170

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Data transfer Alternating electromagnetic field Technology UHF (860...960 MHz) Usage region (UHF) FCC (902...928 MHz) Reading range on metal 4 m (2W ERP) **EEPROM** Memory type

Chip Alien Higgs 3 Memory 112 Byte Memory Read/Write Freely usable memory 64 Byte **EPC** memory 12 byte Number of read operations unlimited Number of write operations 10⁵ Typical read time 2 ms/byte Typical write time 3 ms/byte Radio communication and protocol standards ISO 18000-63

Temperature of data carrier during read/write -20...+85 °C access

Temperature of data carrier outside detection -25...+85 °C

range

235, 1x 700h

EPCglobal Gen 2

Design Hard tag, Hard tag

Housing length 14 mm Housing width 27 mm Housing height 5.9 mm Active area material Plastic, grey Protection class IP68

Packaging unit

Remark to product High-temperature

## **Functional principle**

The UHF read/write heads form an air interface the size of which may vary, depending on the combination of read/write head and data

The read/write distances mentioned here only represent standard values measured under laboratory conditions and free from any influences caused by materials.

Attainable distances may vary due to component tolerances, mounting conditions, ambient conditions and material qualities, especially when mounted in metal.

Testing of the application under real operating conditions is therefore essential, especially with read/write on-the-fly!