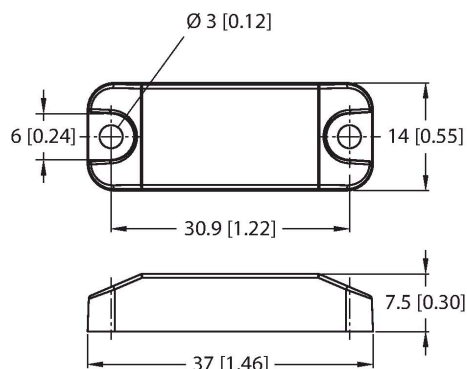


TW902-928-Q14L37-M-HT-B112

UHF Tag



Features

- The high-temperature tags must undergo adequate stress tests within the proposed temperature processes before deployment. Otherwise, their durability cannot be guaranteed when exposed to temperatures outside the denoted range.
- EEPROM, memory 112 byte
- TID serial number: 8 byte
- For direct mounting on metal

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 tag.

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!

Technical data

Type	TW902-928-Q14L37-M-HT-B112
ID	100004170
Remark to product	High-temperature
Data transfer	Alternating electromagnetic field
Technology	UHF RFID
Region (UHF)	FCC (902...928 MHz)
Reading range on metal	4 m (2W ERP)
Memory type	EEPROM
Chip	Alien Higgs 3
Memory size	112 Byte
Memory	Read/Write
Freely usable memory	64 Byte
EPC memory	12 byte
Number of read operations	unlimited
Number of write operations	10 ⁵
Typical read time	2 ms/Byte
Typical write time	3 ms/Byte
Radio communication and protocol standards	ISO 18000-63 EPCglobal Gen 2
Temperature during read/write access	-20...+85 °C
Temperature outside detection range	-25...+85 °C
	235 °C, 1 × 700 h
Design	Hard tag
Housing length	14 mm
Housing width	37 mm

Technical data

Housing height	7.5 mm
Active area material	Plastic, PPS, grey
Protection class	IP68
Packaging unit	1