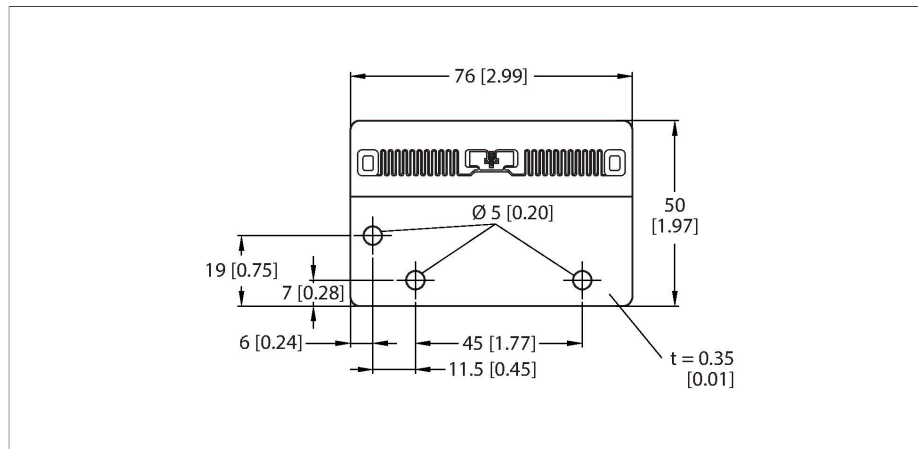


TW860-960-L75-50-M-HT-B42

UHF Tag



Features

- 168-h exposure of engine oil
- 168-h exposure of salt water (salt content 10 %)
- 168-h exposure of sulfuric acid (10 %, pH 2)
- 168-h exposure of NaOH (10 %, pH 13)
- EEPROM, memory 42 byte
- TID serial number: 6 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	TW860-960-L75-50-M-HT-B42
ID	100003976
Remark to product	For direct mounting on metal
Data transfer	Alternating electromagnetic field
Technology	UHF RFID
Region (UHF)	Global (860...960 MHz) ETSI (865...868 MHz) FCC (902...928 MHz)
Reading range on metal	10 m (2W ERP)
Memory type	EEPROM
Chip	Impinj Monza R6
Memory	42 Byte
Memory	Read/Write
Freely usable memory	0 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	-35...+85 °C
Temperature outside detection range	-40...+125 °C
	180 °C, 1 week
	230 °C, 3 hours
Design	Smart Label
Housing length	76 mm
Housing width	50 mm
Protection class	IP67

Technical data

Packaging unit

1

Mounting instructions/Description

