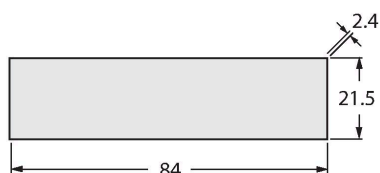


TW902-928-L84-21-F-B70

UHF Tag



Features

- Humidity sensor
- Automatic adaptation to the subsurface for optimal performance
- Corresponds to the EPC Global™ Gen2 standard and the ISO/IEC 18000-6C
- EEPROM, memory 70 byte
- TID serial number: 6 byte
- Configurable memory partitioning, optional 16 byte EPC/UII + 18 bytes USER or 34 byte EPC/UII
- 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-L84-21-F-B70
ID	7030693
Remark to product	Passive UHF RFID humidity sensor
Data transfer	Alternating electromagnetic field
Technology	UHF RFID
Region (UHF)	FCC (902...928 MHz)
Memory type	EEPROM
Chip	RFMicron Magnus-S2
Memory size	70 Byte
Memory	Read/Write
Freely usable memory	18 Byte
EPC memory	16 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
Minimum distance to metal	0 mm
Ambient temperature	-40...+85 °C
Storage temperature	-40...+85 °C
Housing length	84 mm
Housing width	21 mm
Housing height	2.4 mm
Active area material	Plastic

Technical data

Packaging unit	1
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