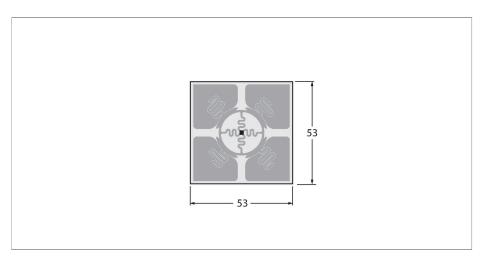


TW860-960-L53-53-P-B44-2.5KPCS UHF Tag



Technical data

Remark to product Remark to product Smart-Label, self-adhesive Data transfer Alternating electromagnetic field Technology Region (UHF) Region (UHF) Reading range Smart-Label, self-adhesive Design Region (UHF) Region (UHF) Region (UHF) Reding range Smart-Label Housing width Alternating electromagnetic field Merrory (IHF) Global (860960 MHz) ETSI (865868 MHz) ETSI (865868 MHz) FTSI (865868 MHz) ETSI (865868 ETSI (865868 ETSI (865868 ETSI (865868 ETSI (8	Type	TW860-960-L53-53-P-B44-2.5KPCS
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Region (UHF) Global (860960 MHz) ETSI (865868 MHz) FCC (902928 MHz) Reading range 5 m (2W ERP) Memory type EEPROM Chip Impinj Monza 4D Memory 44 Byte Memory Read/Write Freely usable memory 4 Byte EPC memory 16 byte Number of read operations unlimited Number of write operations 10° Typical read time 2 ms/Byte Typical write time 3 ms/Byte Radio communication and protocol standards EPCglobal Gen 2 Temperature during read/write access -40+85 °C Temperature outside detection range -40+85 °C Design Smart Label Housing length 53 mm Protection class IP40	Data transfer	Alternating electromagnetic field
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Number of read operations unlimited Number of write operations 10° Typical read time 2 ms/Byte Typical write time 3 ms/Byte Radio communication and protocol standards EPCglobal Gen 2 Temperature during read/write access -40+85 °C Temperature outside detection range -40+85 °C Design Smart Label Housing length 53 mm Protection class IP40	Freely usable memory	4 Byte
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Typical read time Typical write time 3 ms/Byte Radio communication and protocol standards EPCglobal Gen 2 Temperature during read/write access -40+85 °C Temperature outside detection range -40+85 °C Design Smart Label Housing length Housing width 53 mm Protection class IP40	Number of read operations	unlimited
Typical write time 3 ms/Byte Radio communication and protocol standards ISO 18000-63 EPCglobal Gen 2 Temperature during read/write access -40+85 °C Temperature outside detection range -40+85 °C Design Smart Label Housing length 53 mm Housing width 53 mm Protection class IP40	Number of write operations	10⁵
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Temperature outside detection range -40+85 °C Design Smart Label Housing length 53 mm Housing width 53 mm Protection class IP40	•	
Design Smart Label Housing length 53 mm Housing width 53 mm Protection class IP40	Temperature during read/write access	-40+85 °C
Housing length 53 mm Housing width 53 mm Protection class IP40	Temperature outside detection range	-40+85 °C
Housing width 53 mm Protection class IP40	Design	Smart Label
Protection class IP40	Housing length	53 mm
	Housing width	53 mm
Packaging unit 1	Protection class	IP40
	Packaging unit	1

Features

- ■EEPROM, memory 44 byte
- ■TID serial number: 6 byte
- ■Not 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!



Mounting instructions/Description



General Information

When mounting the tags, only remove them from the roll immediately before affixing them. Remove any dirt from the surfaces to be bonded and allow to dry. Liquids, oils, greases and other substances can reduce the effectiveness of the adhesive. If possible, affix the tag at room temperature (20–25 °C).

Defective tags are indicated by a black dot. Please do not use this tag. Upon delivery, the number of marked defective tags is added to the total number of Smart Labels delivered.