

TW902-928-R50-B112

UHF Tag

Features

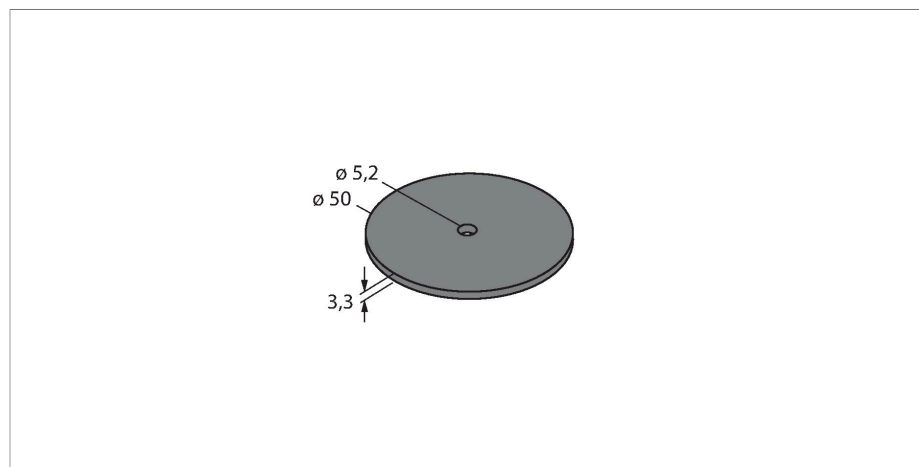
- EEPROM, memory 138 byte
- Extended usable TID memory: 14 byte
- Not for direct mounting on metal

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!



Technical data

Type	TW902-928-R50-B112
ID	7030404
Remark to product	Not suitable for direct mounting on metal
Data transfer	Alternating electromagnetic field
Technology	UHF RFID
Region (UHF)	FCC (902...928 MHz)
Memory type	EEPROM
Chip	NXP U-Code G2iM
Memory size	138 Byte
Memory	Read/Write
Freely usable memory	64 Byte
EPC memory	32 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	-40...+90 °C
	140 °C, 1 × 100 h
Design	Hard tag, R50
Diameter	50 mm
Housing material	PA6
Active area material	Plastic, PPA, black

Technical data

Protection class	IP68
Packaging unit	1