RFID Transponder

IPC03-12.4

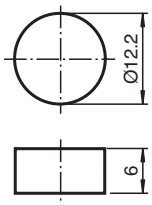


- Battery-free data carrier
- 32 bit fixcode
- 928 bits memory available
- Flush mounting in metal
- Degree of protection IP67

Data carrier

CE

Dimensions



Technical Data

General specifications		
Operating frequency		125 kHz
Transfer rate		2 kBit/s
MTBF		1700 a (Operation at +40 °C)
Memory		
Chip Type		EM4450 Titan (EM Microelectronic)
EEPROM		928 Bit
Read cycles		unlimited
Write cycles		> 100000
Data retention period		10 years at 55 °C (131 °F)
Directive conformity		
Radio equipment		
Directive 2014/53/EU		EN 300330
RoHS		
Directive 2011/65/EU (RoHS)		IEC/EN 63000
Standard conformity		
Degree of protection		EN 60529
RFID		ISO/IEC 18000-2

Release date: 2023-08-07 Date of issue: 2023-08-07 Filename: 119465_eng.pdf

Technical Data

Ambient conditions	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications	
Housing height	6 mm
Housing diameter	12.1 mm + 0.2 mm
Degree of protection	IP67
Material	
Housing	PBT
Encapsulation compound	CY 221/HY 2966
Installation	
In metal	yes
On metal	yes
In air	yes
Mass	2 g
Construction type	Cylindrical

Release date: 2023-08-07 Date of issue: 2023-08-07 Filename: 119465_eng.pdf

Mounting

The surface containing the text must face the read/write head.

Release date: 2023-08-07 Date of issue: 2023-08-07 Filename: 119465_eng.pdf