



Model Number

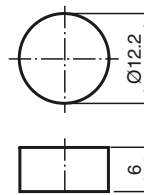
IPC03-12.4

Data carrier

Features

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

Dimensions



Technical data

General specifications

Operating frequency	125 kHz
Transfer rate	2 kBit/s

Functional safety related parameters

MTTF _d	3400 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %

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)

Standard conformity

Degree of protection	EN 60529
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Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)

Mechanical specifications

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

Notes

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