



### Model Number

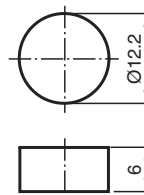
**IPC03-12.4**

Data carrier

### Features

- Battery-free data carrier
- 32 bit fixcode
- 928 bits computer memory available
- Embeddable mountable in metal
- Protection degree IP67

### Dimensions



### Technical data

#### General specifications

Operating frequency	125 kHz
Transfer rate	2 kBit/s

#### Functional safety related parameters

MTTF <sub>d</sub>	3400 a
Mission Time (T <sub>M</sub> )	20 a
Diagnostic Coverage (DC)	0 %

#### Memory

Chip Type	EM4450 Titan (EM Microelectronic)
Type/Size	EEPROM 928 Bit ROM 32 Bit
Read cycles	unlimited
Write cycles	> 100000
Data retention period	10 years at 55 °C (131 °F)

#### Ambient conditions

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

#### Mechanical specifications

Protection degree	IP67
Material	
Housing	PBT
Encapsulation compound	CY 221/HY 2966
Mass	2 g

#### Compliance with standards and directives

Standard conformity	
Protection degree	EN 60529

### Notes

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