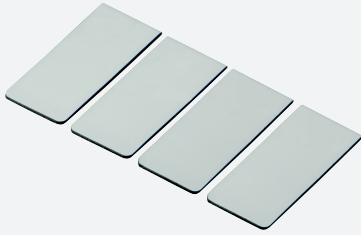


# RFID Transponder

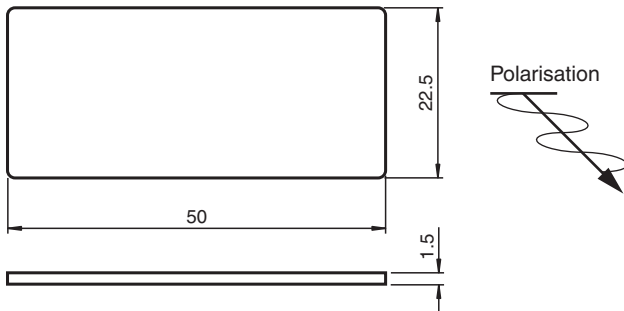
## IUC82-23L50-M-FR2 500pcs



- Operating frequency 902 ... 928 MHz
- Complies with EPC Gen2 (ISO/IEC 18000-63)
- Robust, adhesive plastic label
- Optimized for mounting on metal

Data carrier

### Dimensions



### Technical Data

#### General specifications

|                     |                 |
|---------------------|-----------------|
| Operating frequency | 902 ... 928 MHz |
| Polarization        | linear          |

#### Memory

|                              |                    |
|------------------------------|--------------------|
| Chip Type                    | UCODE 7xm-2k (NXP) |
| Memory Bank 00 (Reserved)    | 64 Bit             |
| Memory Bank 01 (EPC/Ull)     | 448 Bit            |
| Memory Bank 10 (TID)         | 96 Bit             |
| Memory Bank 11 (User memory) | 2048 Bit           |
| Read cycles                  | unlimited          |
| Write cycles                 | > 100000           |
| Data retention period        | 50 years           |

#### Standard conformity

|                      |                  |
|----------------------|------------------|
| Degree of protection | EN 60529         |
| RFID                 | ISO/IEC 18000-63 |

#### Ambient conditions

|                     |                                |
|---------------------|--------------------------------|
| Ambient temperature | -30 ... 85 °C (-22 ... 185 °F) |
| Storage temperature | -30 ... 85 °C (-22 ... 185 °F) |

#### Mechanical specifications

|                      |      |
|----------------------|------|
| Degree of protection | IP67 |
| Material             |      |
| Housing              | PET  |

Release date: 2024-06-14 Date of issue: 2024-06-14 Filename: 320994\_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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**PF** PEPPERL+FUCHS

**Technical Data**

|                   |                                    |
|-------------------|------------------------------------|
| Installation      | Adhesive                           |
| On metal          | yes                                |
| Mass              | 1 g                                |
| Dimensions        |                                    |
| Height            | 1.5 mm                             |
| Width             | 22.5 mm                            |
| Length            | 50 mm                              |
| Construction type | Label                              |
| Note              | Packaging unit, 500 pcs. on a roll |

## Mounting

The surface to be bonded must be dry and free from dirt, oil residues, and separating agents. Loose surface particles and oxidation layers impair adhesion. Use a grease-free solvent, such as heptane, isopropyl alcohol, or mineral spirits, as a cleaning agent. Choose a different cleaning agent if these solvents are incompatible with the adhesive surface.

Minimum bonding temperature: +10° C