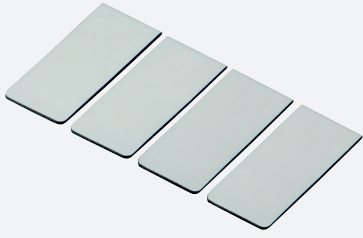


# RFID Transponder

## IUC82-23L50-M-FR1 500pcs

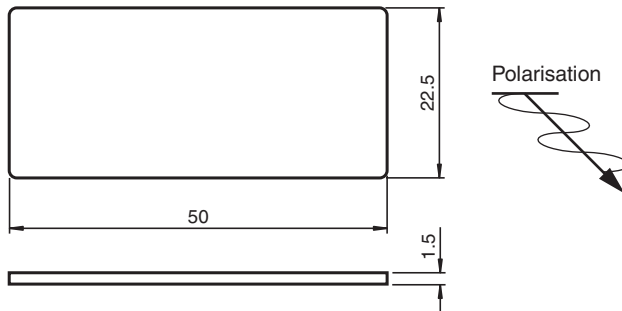


- Operating frequency 865 ... 868 MHz
- Complies with EPC Gen2 (ISO/IEC 18000-63)
- Robust, adhesive plastic label
- Optimized for mounting on metal

Data carrier



### Dimensions



### Technical Data

General specifications	
Operating frequency	865 ... 868 MHz
Polarization	linear
Memory	
Chip Type	UCODE 7xm-2k (NXP)
Memory Bank 00 (Reserved)	64 Bit
Memory Bank 01 (EPC/UII)	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
Directive conformity	
Radio equipment	
Directive 2014/53/EU	EN 302208
RoHS	
Directive 2011/65/EU (RoHS)	IEC/EN 63000

Release date: 2022-11-28 Date of issue: 2022-11-28 Filename: 319887\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

## Technical Data

<b>Standard conformity</b>	
Degree of protection	EN 60529
RFID	ISO/IEC 18000-63
<b>Ambient conditions</b>	
Ambient temperature	-30 ... 85 °C (-22 ... 185 °F)
Storage temperature	-30 ... 85 °C (-22 ... 185 °F)
<b>Mechanical specifications</b>	
Housing length	50 mm
Housing width	22.5 mm
Housing height	1.5 mm
Degree of protection	IP67
Installation	Adhesive
On metal	yes
Mass	1 g
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