

# RFID Transponder

## IUC87-F257-T17-M-FR1 10 pcs

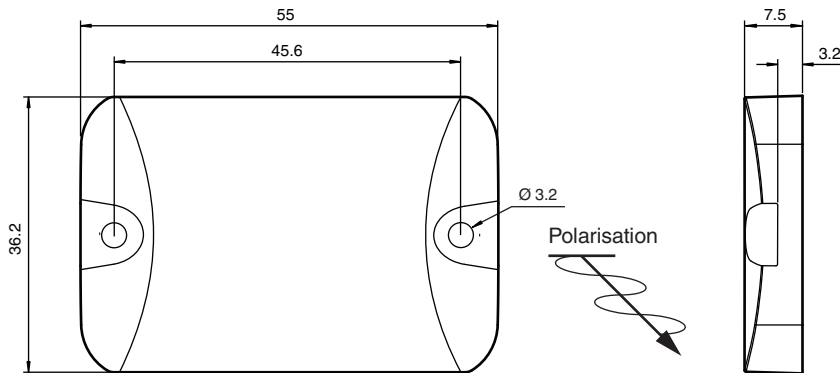


- Operating frequency 865 ... 868 MHz
- Complies with EPC Gen2 (ISO/IEC 18000-63)
- Sturdy housing, suitable for rough industrial use
- Optimized for mounting on metal
- For general purpose applications

Tag for standard applications



### Dimensions



### Technical Data

#### General specifications

Operating frequency	865 ... 868 MHz
Polarization	linear

#### Memory

Chip Type	Higgs-9 (Alien)
Memory Bank 00 (Reserved)	64 Bit
Memory Bank 01 (EPC/UII)	96 ... 496 Bit
Memory Bank 10 (TID)	48 Bit
Memory Bank 11 (User memory)	688 Bit
Read cycles	unlimited
Write cycles	200000
Data retention period	50 years

#### Directive conformity

Radio equipment	
Directive 2014/53/EU	EN 302208
RoHS	
Directive 2011/65/EU (RoHS)	IEC/EN 63000

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## Technical Data

Standard conformity	
Degree of protection	EN 60529
RFID	ISO/IEC 18000-63
Ambient conditions	
Ambient temperature	-40 ... 85 °C (-40 ... 185 °F)
Storage temperature	-40 ... 250 °C (-40 ... 482 °F) 250 °C for 500 hours
Shock and impact resistance	1 m (3 ft) on concrete
Mechanical specifications	
Housing length	55 mm
Housing width	36.2 mm
Housing height	7.5 mm
Degree of protection	IP68
Material	
Housing	Polymer , 316L Stainless steel
Installation	
On metal	yes
Mass	26 g
Construction type	Rectangular type
Note	Packaging unit, 10-piece

## Mounting

High temperatures will cause the housing to expand.  
If the housing is assembled under mechanical stress, the resulting pressure may damage the tag.  
Install the tag loosely to allow for expansion due to high temperatures.