RFID Transponder

IQC33-50 25pcs

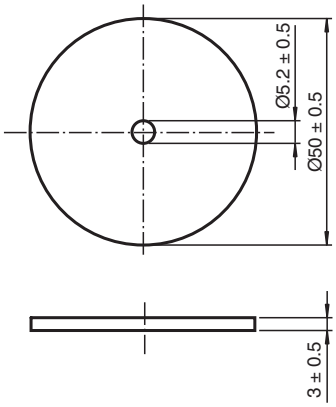
- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- 64 bit Fixcode
- 2000 bytes memory available
- Unlimited writeable
- Degree of protection IP68
- Readable and writable from both sides
- Mounting holes for simple installation

Data carrier

Application

The transponder can be read and written from either side.

Dimensions



Technical Data

General specifications		
Operating frequency		13.56 MHz
Transfer rate		26 kBit/s
Memory		
Chip Type		FRAM MB89R118 (Fujitsu)
FRAM		16 kBit
UID		64 Bit
Memory organization		8 bytes/block
Read cycles		unlimited
Write cycles		unlimited
Data retention period		10 years
Directive conformity		
Radio equipment		
Directive 2014/53/EU		EN 300330
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 15693-1 ISO/IEC 15693-2 ISO/IEC 15693-3 ISO/IEC 18000-3
Ambient conditions	
Ambient temperature	-40 ... 85 °C (-40 ... 185 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F) 160 °C (320 °F) for 50 hours 220 °C (428 °F) for 30 min
Mechanical specifications	
Degree of protection	IP68
Material	
Housing	PA 6
Installation	
In air	yes
Mass	5 g
Dimensions	
Height	3 mm
Diameter	50 mm
Construction type	Cylindrical
Note	Packaging unit, 25-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.

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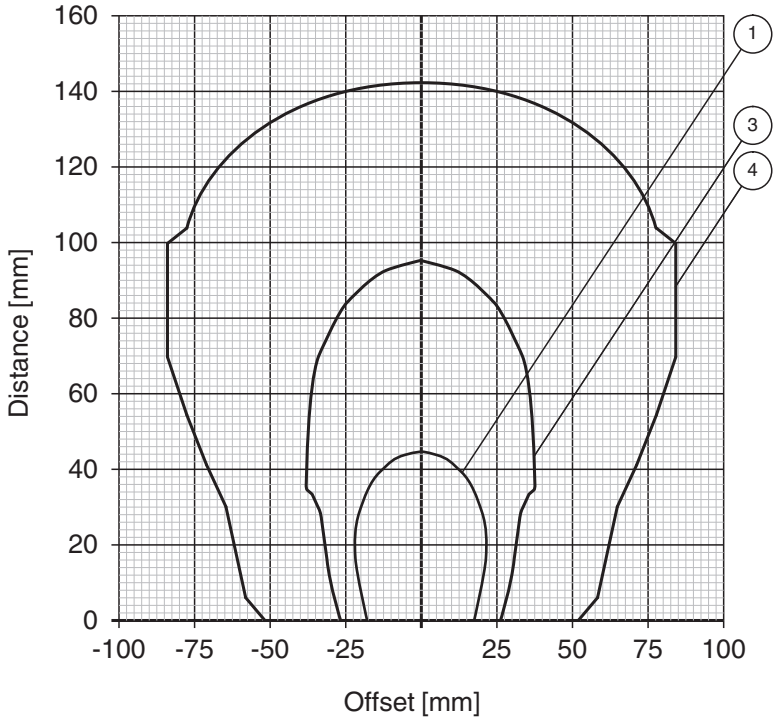
Characteristic Curve

Reading range in air IQC33-50



1 IQH1-18GM-V1 2 IQH1-F61-V1 3 IQH1-FP-V1

4 IQH1-F15-V1

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