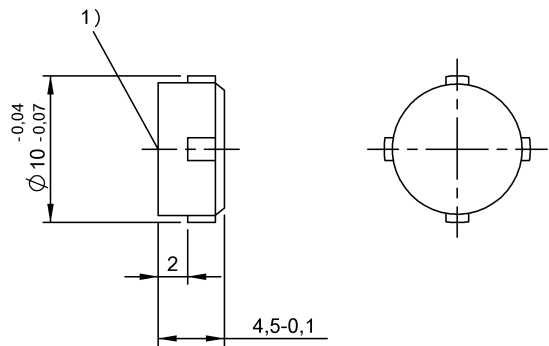




1) Sensing surface



#### Basic features

|                        |                             |
|------------------------|-----------------------------|
| Antenna type           | round                       |
| Approval/Conformity    | CE<br>UKCA<br>cULus<br>WEEE |
| EN 55011               | Size 1, Cl. A               |
| Principle of operation | Data carrier                |

#### Electrical data

|                     |                                                |
|---------------------|------------------------------------------------|
| Memory organization | 32 × 8 bits                                    |
| Programming cycles  | up to 30 °C: 1,000,000<br>up to 70 °C: 500,000 |
| Programming time    | for 1x8 bits: 0.3s<br>for 32x8 bits: 0.6s      |
| Read cycles         | Unlimited                                      |
| Read time           | for 32x8 bits: 0.19 s                          |

#### Environmental conditions

|                         |             |
|-------------------------|-------------|
| Ambient temperature     | 0...70 °C   |
| Continuous shock load   | yes         |
| EN 60068-2-27, Shock    | yes         |
| EN 60068-2-32 Free fall | yes         |
| EN 60068-2-6, Vibration | yes         |
| IP rating               | IP68        |
| Storage temperature     | -30...85 °C |

#### Functional Characteristics

|                       |          |
|-----------------------|----------|
| Memory type           | EEPROM   |
| User data, read/write | 511 Byte |

#### Material

|                  |                        |
|------------------|------------------------|
| Housing material | Epoxy-resin/fiberglass |
|------------------|------------------------|

#### Mechanical data

|                    |                                                       |
|--------------------|-------------------------------------------------------|
| Application weight | 0.70 g                                                |
| Dimension          | Ø 10 x 4.5 mm                                         |
| Installation       | metal-free (clear zone)<br>on metal<br>flush in metal |

LF (70/455 kHz)  
**BIS C-122-04/L**  
**Order Code: BIS0011**

**BALLUFF**

#### Remarks

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Only together with converter BIS C-901 or BIS C-6xx and the appropriate read/write head.

Values are under rated conditions unless otherwise specified.

For installation requirements see corresponding read/write head.

Time specification includes data check.

IP68 tested according to BWN Pr 36

On the last page only 31x8 bits are usable.

For installation in hole Ø10 H11 (glue)