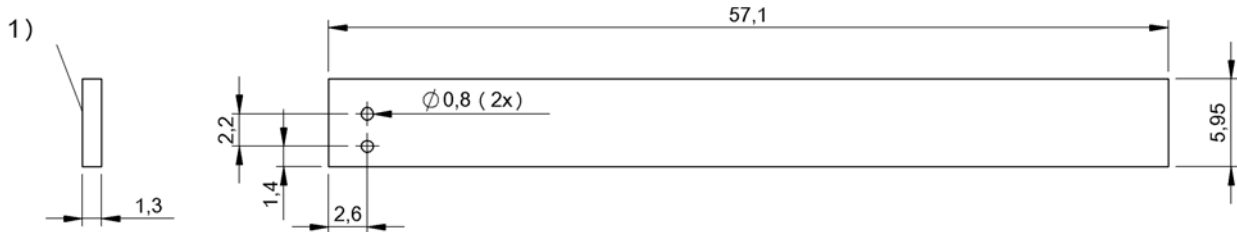


UHF (860...960 MHz)  
 BIS U-180-A0/C1M  
 Ordercode: BIS016W



1) Sensing surface



#### Electrical data

|                           |                      |
|---------------------------|----------------------|
| Data retention time/years | ≥ 50                 |
| Polarization              | linear               |
| Preferred application     | 902...928 MHz        |
| Programming cycles        | up to 25 °C: 100,000 |
| Read cycles               | Unlimited            |
| Working frequency         | 902...928 MHz        |

#### Environmental conditions

|                      |               |
|----------------------|---------------|
| Ambient temperature  | -40...85 °C   |
| EN 60068-2-27, Shock | MIL STD 810-F |
| Protection degree    | IP68          |
| Storage temperature  | -40...120 °C  |

#### Functional Characteristics

|                        |         |
|------------------------|---------|
| EPC memory, writeable  | 96 Bit  |
| TID memory, read only  | 64 Bit  |
| User memory type       | EEPROM  |
| User memory, writeable | 512 Bit |

#### General data

|                     |   |
|---------------------|---|
| Approval/Conformity | CE<br>RoHS                                |
| Standards           | EPCglobal™ Class 1, Gen 2<br>ISO 18000-6C |

#### Material

|                  |  |
|------------------|--|
| Housing material | Epoxy resin-glass fiber, flame-retardant |
|------------------|--|

#### Mechanical data

|                    |                      |
|--------------------|----------------------|
| Application weight | 1.00 g               |
| Dimension          | 5.95 x 1.3 x 57.1 mm |

#### Remarks

Values are under rated conditions unless otherwise specified.  
 For application on metal