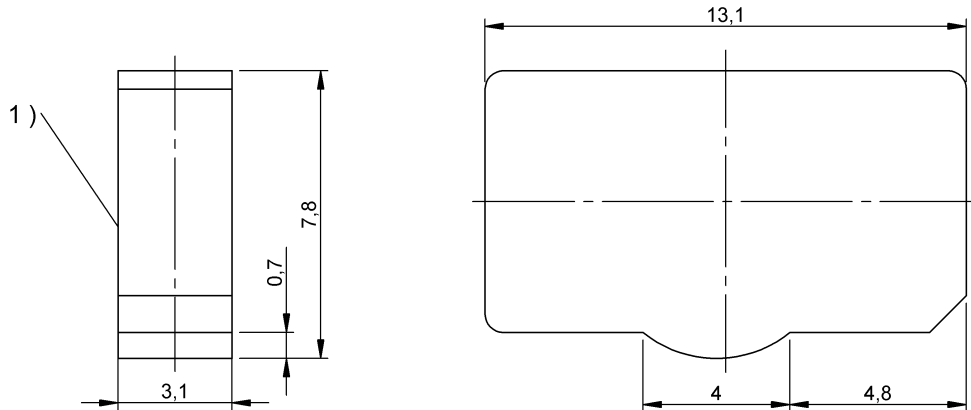


UHF (860...960 MHz)  
 BIS U-105-A0/COM-HT  
 Order Code: BIS01CH

**BALLUFF**



1) Sensing surface



**Basic features**

Antenna type	Dipole
Approval/Conformity	CE UKCA WEEE
Principle of operation	Data carrier
Standards	EPCglobal™ Class 1, Gen 2 V2 ISO 18000-63

**Electrical data**

Data retention time/years	≥ 50 at 85 °C
Polarization	linear
Preferred application	866...868 MHz
Programming cycles	up to 25 °C: 100,000
Read cycles	Unlimited
Working frequency	866...868 MHz

**Environmental conditions**

Ambient temperature	-20...85 °C
EN 60068-2-27, Shock	MIL STD 810-G
EN 60068-2-6, Vibration	MIL STD 810-G
IP rating	IP68
Storage temperature temporary	-20...235 °C 1x700 h

**Functional Characteristics**

EPC memory, writeable, switchable	128 (96) bits
Memory type	EEPROM
TID memory, read-only	96 Bit
User data, read/write, switchable	32 (64) bits

**Material**

Housing material	Ceramic
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**Mechanical data**

Application weight	1.60 g
Dimension	7.1 x 3.1 x 13.1 mm
Installation	on metal

**Remarks**

Values are under rated conditions unless otherwise specified.  
 For application on metal  
 Self-adhesive attachment not suitable for high temperature applications. Consult adhesive datasheet for recommended temperature ratings.