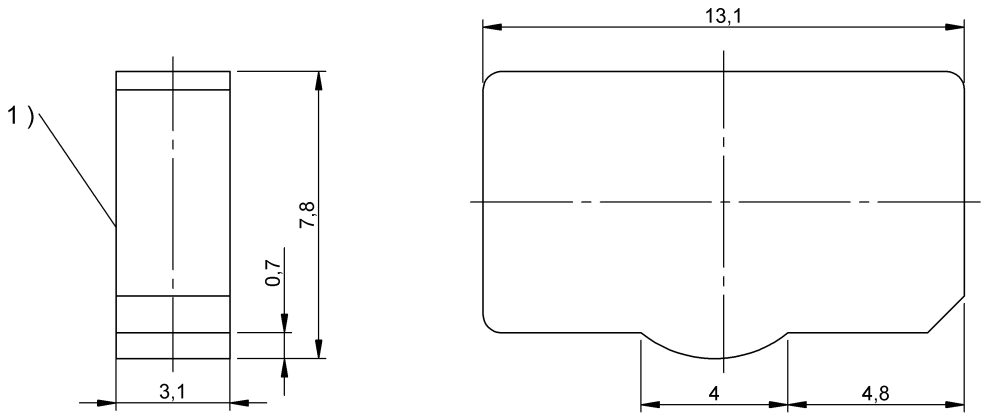
UHF (860...960 MHz)

BIS U-105-A0/C1M-HT
Order Code: BIS01CN



1) Sensing surface

Basic features

Antenna type	Dipole
Approval/Conformity	CE WEEE EAC
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	902…928 MHz
Programming cycles	up to 25 °C: 100,000
Read cycles	Unlimited
Working frequency	902…928 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, read/write	96 Bit
Memory type	EEPROM
TID memory, read-only	96 Bit
User data, read/write	512 Bit

Material

Housing material	Ceramic

Mechanical data

Application weight	1.60 g
Dimension	7.8 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.