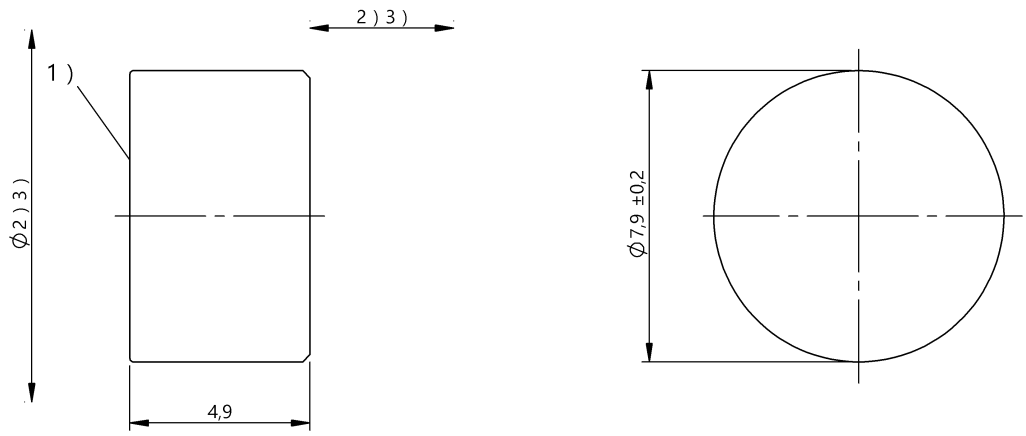
HF (13.56 MHz)

BIS M-130-03/L
Order Code: BIS00YL



1) Sensing surface, 2) Clear zone, 3) see corresponding R/W head

Basic features

Antenna type	round
Approval/Conformity	CE WEEE EAC
EN 55011	Size 1, Cl. A
EN 55022	Size 1, Cl. B
Principle of operation	Data carrier

Electrical data

Data retention time/years	≥ 10
Memory organization	28 × 4 bits
Programming cycles	up to 70 °C: 100,000
Programming time	for 16 bytes: 0.1s
Read cycles	Unlimited
Read time	User ID for 8 bytes: 0.02 s for 16 bytes: 0.03 s

Environmental conditions

Ambient temperature	-20...85 °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	-40...85 °C

Functional Characteristics

Memory type	EEPROM
Supported data carrier types	DIN ISO 15693
UID serial number, read-only	8 Byte
User data, read/write	112 Byte

Material

Housing material	ABS, black

Mechanical data

Application weight	1.00 g
Dimension	Ø 7.9 x 4.9 mm
Installation	metal-free (clear zone) on metal flush in metal

Remarks

Time specification includes data check.
For installation in metal: Observe clear zone.
For installation requirements see corresponding read/write head.
Only when used together with the appropriate read/write head.
Values are under rated conditions unless otherwise specified.