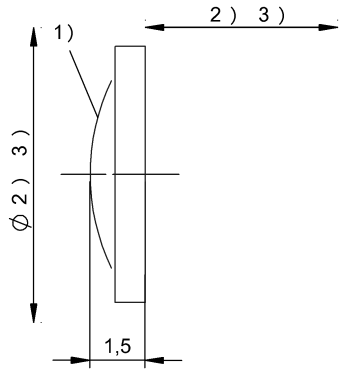
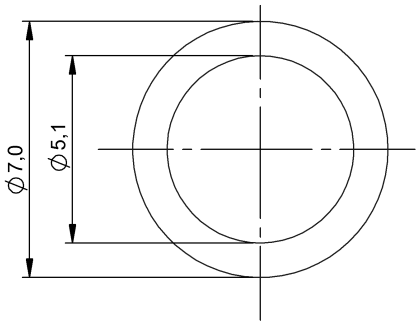
HF (13.56 MHz)

BIS M-180-07/L
Order Code: BIS00WY





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

Basic features

Antenna type	round
Approval/Conformity	CE WEEE
EN 55011	Size 1, Cl. A
EN 55022	Size 1, Cl. B

Electrical data

Data retention time/years	≥ 10
Memory organization	124 × 8 bytes
Programming cycles	up to 50 °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
Storage temperature	-40...85 °C

Functional Characteristics

Memory type	EEPROM
UID serial number, read-only	8 Byte
User data, read/write	992 Byte

Material

Material	PCB

Mechanical data

Application weight	0.20 g
Dimension	Ø 7 x 1.5 mm
Installation	metal-free (clear zone)

Remarks

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