

PRODUCT DATASHEET

iBlade Multitag 10.0



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HF-transponder, for extreme environmental

- passive RFID communication 13.56 MHz
- round TAG, diameter 10.0 mm
- on metal and flat mounting in metal possible
- up to 128 byte memory

This transponder device is an integral part of iBlade® system solutions. This TAG operates with iBlade® standard RFID reader components and high sensitive demodulators.

RFID Technology:ISO 15693

Carrier Frequency:13.56 MHz

Communication Rate:read 2 ms/byte - unlimited operations
.....write 3 ms/byte - 10⁵

Communication Distance:5 - 42 mm dependent on reader antenna, chip type and metal environment

Memory:.....EEPROM - read and write

.....**Memory Capacity:**146 byte, and 128 byte available

Operating Temperature:-40°C ... +85°C

Storage Temperature:-40°C ... +85°C

Dimensions:D 10.0 +/-0.2 mm, TH 4.5 mm +/-0.3 mm

Packaging Material:.....Plastic, open housing, potted
.....material in black

Mounting Instructions:.....using flat in metal possible - minimum distance 0 mm
.....recommended glue: iBlade Glue

Marking:.....optional laser printing

Appropriate RFID Reader:Classic with RS232TTL or USB
.....iBlade® Antenna M18
.....iBlade® Antenna Flat
.....iBlade® Antenna Mid Range

HOST Command Set:see actual API documentation of iBlade® driver engine or data sheets of silicon
.....chip manufacturer

Software:different software for example iBlade Doku for Windows PC or mobile devices available,
.....for application software please ask at info@iblade.eu