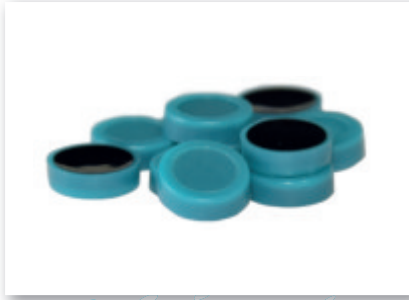


# PRODUCT DATASHEET

iBlade Multitag 7.0



## Multitag 7.0

### HF-transponder, for extreme environmental

- passive RFID communication 13.56 MHz
- round TAG, diameter 7.0 mm
- PEEK packaging
- on metal and flat mounting in metal possible
- up to 2 kbit memory
- designed for air craft and automotive part tagging

These 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:** .....down link 26.4 kbps

**Communication Distance:** .....0 ... 3 cm dependent on reader antenna, chip type and metal environment

**Memory:**.....EEPROM - endurance >100.000 cycles, data retention > 10 years or up to 60 years

.....**Memory Capacity:** .....1 kbit

**Operating Temperature:**.....-40°C ... +150°C

**Storage Temperature:** .....-45°C ... 160°C - long term max. +85°C, short time 200°C

**Dimensions:**.....D 7.0 +/-0.1 mm, TH 2.0 mm

**Packaging Material:**.....PEEK, back side epoxy - inlet mixed ferrite epoxy

.....PEEK material in black or nature colour, depending on the availability

**Mounting Instructions:**.....using flat in metal possible - plane and printed side on top

.....recommended glue: iBlade Glue

**Marking:**.....optional laser printing

**Appropriate RFID Reader:** .....Classic with RS232TTL or USB

.....Industrial M18 reader with RS232TTL or USB

.....Industrial M30 reader with RS232TTL or USB

**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](mailto:info@iblade.eu)

Errors and changes excepted

|                         |                                      |
|-------------------------|--------------------------------------|
| Type :                  | Multitag                             |
| Standard:               | ISO 15693                            |
| Memory:                 | 1.024 bit; EEPROM                    |
| Communication Rate:     | 26.4 kbps                            |
| Communication Distance: | 3 cm<br>measured with Classic Reader |