

PRODUCT DATASHEET

iBlade Multitag 7.5



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HF-transponder, for extreme environmental

- passive RFID communication 13.56 MHz
- round TAG, diameter 7.5 mm
- PEEK packaging
- on metal and flat mounting in metal possible
- up to 2 kbit memory
- designed for air craft and automotive part tagging
- successful in industrial applications over 15 years

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 ... 5 mm 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:.....-25°C ... +65°C

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

Dimensions:.....D 7.5 +/-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

Type :	Multitag
Standard:	ISO 15693
Memory:	16,000 bit; EEPROM
Communication Rate:	26.4 kbps
Communication Distance:	3 mm measured with Classic Reader