![iDTRONIC PROFESSIONAL RFID logo]

# Special Tag
# ABS ON METAL TAG

## APPLICATIONS

- Production
- Warehouse
- Logistics

## FEATURES

- Black or White ABS Material
- Ferrite 0.7 mm Surface
- On Metal Applications
- HF or LF Frequency
- ø 35 or 52 mm

## RFID OPTIONS

- **HF** (ISO 14443 A | ISO 15693)
- **LF** (EM 4100/4200)

## PRODUCT DESCRIPTION

The ABS On Metal Tags from iDTRONIC Professional RFID are well suited for the identification of goods and objects in an industrial environment. Typical application areas are in logistics, warehouses or productions. Thanks to its Ferrite 0.7 mm surface it is especially suited for metal surfaces on containers or production machines.

The housing is made of Acrylnitril-Butadien-Styrol and is coloured black (ø 52 mm) or white (ø 35 mm). It is available as **ø 35 mm or ø 52 mm dimension.**

It features special resistance in rough applications and are stable against many different chemicals. Their water absorbing is low (depending on temperature). It withstands temperature environments of -40 °C up to +70 °C.

The ABS On Metal Tags are available in the two different RFID frequencies: HF (13.56 MHz) and LF (125 kHz).

## TECHNICAL DATA

| PRODUCT SPECIFICATION | |
|---|---|
| Material | ABS |
| Reading Distance | up to 6 cm |
| Dimensions | ø 35 / 5 x 4 mm (white)<br>ø 52 / 5 x 8 mm (black) |
| Antenna type | wired |
| Metal Layer | Ferrite 0.7 mm |
| Application Temperature | -40 °C to +70 °C |
| Humidity | 5% to 95% |

| AVAILABLE HF: 13.56 MHZ ICS | | |
|---|---|---|
| **IC TYPE** | **MEMORY** | **ISO** |
| NXP MIFARE Ultralight® | 512 bit | ISO 14443 A |
| NXP MIFARE® Classic 1K EV1 | 1024 Byte | ISO 14443 A (1-3) |
| NXP I-Code SLI<br>NXP I-Code SLI-S | 128 Byte<br>256 Byte | ISO 15693 |

| AVAILABLE LF: 125 KHZ ICS | | |
|---|---|---|
| **IC TYPE** | **MEMORY** | **MODE** |
| EM 4100/4200 | 8 Byte | Read-only |

## OTHER ICS ARE AVAILABLE ON REQUEST!