TheTagFactory
MANUFACTURER OF RFID TAGS

Microtron®
Flexible electronic solutions

## Data Sheet

# Industry Tag (25mm)

### FEATURES

- 25mm Industry Tag is ATEX approved and thus can be used in potentially explosive atmosphere.
- The tag with multi read/write capability is very small in size and is made of ABS to meet all endurance requirements in terms of heat, harsh environments and chemical resistance.
- Perform in the harshest environments, including harsh chemicals, painting processes & outdoor exposure.
- Dust & Waterproof.
- Flexible Read/Write Range (reader dependant).
- Insensitive to almost all non metallic materials.

### APPLICATIONS

- Being used in industrial environments, as well as in asset tracking applications
- It has been widely used in supply chain, service industries, distribution logistics and manufacturing companies to identify goods & objects in an industrial environment.
- Can be used to read through obstructions, including plastics, concrete and more.
- Suitable for factory floor manufacturing applications because of rugged construction (IP Rating).

| | | |
|---|---|---|
| **Chip Type:** | **HitagS 256 bit 125 KHz** | |
| | 256 bits, organized in 8 pages of 4 byte each | |
| | Data retention of 10 years | |
| | Write endurance 100.000 cycles | |
| | | |
| **Mechanical:** | Outer Dia. | 25mm |
| | Thickness | 2.3mm |
| | Material | ABS |
| | Colour | Blue/Black |
| | Weight | 1.5 g |
| | Antenna Type | Wire Antenna |
| | | |
| **Electrical:** | Operating Frequency | 125 KHz |
| | Operating mode | Passive (battery-less transponder) |
| | | |
| **Ingress Protection:** | IP67 | |
| | | |
| **Thermal:** | Storage Temp. | -20°C to +70°C |
| | Operating Temp. | -20°C to +70°C |
| | | |
| **Part Number:** | 104N1-Ex | |
| **Atex Marking details:** | II 1 G, Ex ia IIC T5 Ga | |
| | | |
| **Options:** | Other IC type, Size, Shape & Colour on request | |
| | Available with other plastic material e.g. PC/ABS | |

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