



## Waste Bin Tag

### FEATURES

- Perform in the harshest environments, including harsh chemicals, painting processes, outdoor exposure.
- Heavy-based construction provides both stability and safety.
- Dust & Waterproof.
- Flexible Read/Write Range (reader dependant).
- Insensitive to almost all non metallic materials.

### APPLICATIONS

- Waste Bin Tag enables automatic measurement of weight of waste; promoting efficiency and control.
- In-transit tracking of Waste Management Containers and Bins.
- The movement and user duration (lifespan) of the bins and containers can be monitored within the user locations.

|                            |   |                                    |
|----------------------------|---|------------------------------------|
| <b>Chip Type:</b>          | <b>HitagS 256 bit 134.2 KHz</b>                   |                                    |
|                            | 256 bits, organized in 8 pages of 4 byte each     |                                    |
|                            | Data retention of 10 years                        |                                    |
|                            | Write endurance 100.000 cycles                    |                                    |
| <b>Mechanical:</b>         | <b>Outer Dia.</b>                                 | 30mm                               |
|                            | <b>Thickness</b>                                  | 15.5mm                             |
|                            | <b>Material</b>                                   | Polyamide                          |
|                            | <b>Colour</b>                                     | Black                              |
|                            | <b>Weight</b>                                     | 12.0 g                             |
|                            | <b>Antenna Type</b>                               | Wire Antenna                       |
| <b>Electrical:</b>         | <b>Operating Frequency</b>                        | 134.2 KHz                          |
|                            | <b>Operating mode</b>                             | Passive (battery-less transponder) |
| <b>Ingress Protection:</b> | IP67  |                                    |
| <b>Thermal:</b>            | <b>Storage Temp.</b>                              | -40° C to +85° C                   |
|                            | <b>Operating Temp.</b>                            | -25° C to +85° C                   |
| <b>Part Number:</b>        | 108N1   |                                    |
| <b>Options:</b>            | Other IC type, Size, Shape & Colour on request    |                                    |
|                            | Available with other plastic material e.g. PC/ABS |                                    |

\*Preliminary Data Sheet: Certain specification subject to change.