

# Transponder ON METAL

## Square TAG

PART ID:

**2002-01-368-00**

The Tag is designed to be read in the rear of a metallic object. It helps realize applications where a traditional metal tag sees a challenge. This tag is capable of reversing the interference caused by the metallic surface to become its steering power. The robust overmolded housing makes it ideal for industrial or logistics purpose. This tag sees no obstacles and makes front reading not the only choice. This transponder can be read both ON metal and BEHIND metal.



### Main Specifications

|                       |   |
|-----------------------|---|
| Material              | Polyamid  |
| Operating Temperature | -40°C to 85°C   |
| IP Class              | IP68  |
| Compliance            | RoHs & Reach, CE  |
| Key Features          | Readable Behind Metal, Rough Environment, High Durability |
| Options               | Adhesive, Pad Printing, Laser Engraving                   |

### Chip Specification (Chip 368)

|           |                            |
|-----------|----------------------------|
| Chip      | Impinj - Monza R6          |
| Frequency | 860~960 MHz ( UHF )        |
| Memory    | TID 48 Bit; EPC 96 Bit     |
| Norm      | ISO 18000-6C / EPC Gen2 V2 |

### Full Specifications

|                  |  |
|------------------|--|
| Product ID       | 2002   |
| On Metal Use     | yes  |
| PEAK Performance | yes  |
| Material         | Polyamid   |
| Shape            | Overmolded   |
| Long Description | The Tag is designed to be read in the rear of a metallic object. It helps realize applications where a traditional metal tag sees a challenge. This tag is capable of reversing the interference caused by the metallic surface to become its steering power. The robust overmolded housing makes it ideal for industrial or logistics purpose. This tag sees no obstacles and makes front reading not the only choice. This transponder can be read both ON metal and BEHIND metal. |

|                         |   |
|-------------------------|---|
| Key Features            | Readable Behind Metal, Rough Environment, High Durability |
| Options                 | Adhesive, Pad Printing, Laser Engraving                   |
| Article Type            | Square TAG  |
| Color                   | Yellow  |
| Length [mm]             | 52  |
| Width [mm]              | 23  |
| Thickness [mm]          | 5.7   |
| Weight [g]              | 10  |
| Hole                    | yes   |
| Operating Temp °C (min) | -40   |
| Operating Temp °C (max) | 85  |
| Storage Temp °C (min)   | -40   |
| Storage Temp °C (max)   | 125   |
| IP Class                | IP68  |
| Chemical Resistance     | Not Specified   |
| Flame Resistance        | Not Specified   |
| Mechanical Resistance   | Not Specified   |
| Attachment Method       | Screw/Rivet   |
| Compliance              | RoHs & Reach, CE  |

## VARIANTS AND ICS

| ID             | Variant     | Band | Type    | ISO                        |
|----------------|-------------|------|---------|----------------------------|
| 2002-01-324-00 | 52x23x5.7mm | UHF  | UCODE 8 | ISO 18000-6C / EPC Gen2 V2 |