

# Transponder ATEX

## Ceramic TAG

**PART ID:**  
**3003-01-349-00**

The small ceramic Tag can be embedded into the head of a bolt to RFID enable any aviation, automotive or manufacturing product.

### Main Specifications

|                       |                                            |
|-----------------------|--------------------------------------------|
| Material              | Ceramic                                    |
| Operating Temperature | -40°C to 60°C                              |
| IP Class              | IP68                                       |
| Compliance            | RoHs & Reach, CE                           |
| Key Features          | Small Size, Heat Tolerant, High Durability |



### Chip Specification (Chip 349)

|           |                                      |
|-----------|--------------------------------------|
| Chip      | Alien - Higgs 3                      |
| Frequency | 869 MHz ( UHF )                      |
| Memory    | TID 64 Bit; EPC 96 Bit; User 512 Bit |
| Norm      | ISO 18000-6C / EPC Gen2 V2           |

### Full Specifications

|                  |                                                                                                                                 |
|------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Product ID       | 3003                                                                                                                            |
| Atex             | yes                                                                                                                             |
| On Metal Use     | yes                                                                                                                             |
| Material         | Ceramic                                                                                                                         |
| Shape            | Overmolded                                                                                                                      |
| Long Description | The small ceramic Tag can be embedded into the head of a bolt to RFID enable any aviation, automotive or manufacturing product. |
| Key Features     | Small Size, Heat Tolerant, High Durability                                                                                      |
| Main Use         | Tool Tracking                                                                                                                   |
| Article Type     | Ceramic TAG                                                                                                                     |
| Color            | White                                                                                                                           |
| Length [mm]      | 12.8                                                                                                                            |
| Width [mm]       | 7.08                                                                                                                            |
| Thickness [mm]   | 3.08                                                                                                                            |
| Weight [g]       | 1.4                                                                                                                             |

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|                         |                  |
|-------------------------|------------------|
| Operating Temp °C (min) | -40              |
| Operating Temp °C (max) | 60               |
| Storage Temp °C (min)   | -40              |
| Storage Temp °C (max)   | 60               |
| IP Class                | IP68             |
| Chemical Resistance     | Not Specified    |
| Flame Resistance        | Not Specified    |
| Mechanical Resistance   | Not Specified    |
| Attachment Method       | Embed            |
| Compliance              | RoHs & Reach, CE |

VARIANTS AND ICS

| ID             | Variant                   | Band | Type    | ISO                        |
|----------------|---------------------------|------|---------|----------------------------|
| 3003-01-349-00 | 12.8x7.08x3.08mm IN Metal | UHF  | Higgs 3 | ISO 18000-6C / EPC Gen2 V2 |

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