

# Transponder ATEX

Ceramic TAG

PART ID:  
**3011**

ATEX Zone 1 / 21 certified 2.5 x 6 mm UHF THIN MINI ON METAL  
RFID TAG

## Main Specifications

|                       |                                                                             |
|-----------------------|-----------------------------------------------------------------------------|
| Frequencies           | LF HF <b>UHF</b>                                                            |
| Material              | Ceramic                                                                     |
| Operating Temperature | -40°C to 60°C                                                               |
| IP Class              | IP68                                                                        |
| Compliance            | RoHs & Reach, CE                                                            |
| Key Features          | Small Size, ON-Metal Use, Rough Environment, Heat Tolerant, High Durability |
| Options               | Adhesive, Laser Engraving                                                   |



## Full Specifications

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product ID              | 3011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Atex                    | yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| On Metal Use            | yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Material                | Ceramic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Shape                   | Overmolded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Short Description       | ATEX Zone 1 / 21 certified 2.5 x 6 mm UHF THIN MINI ON METAL RFID TAG                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Long Description        | The ATEX Zone 1 / 21 certified UHF THIN MINI ON METAL RFID TAG 6 x 2,5 mm is one of the smallest ATEX certified UHF RFID transponders globally available. Due to the small size system integrators or endusers like to use it to identify small items like metallic tools and surgical instruments. The UHF THIN MINI ON METAL RFID TAG can be attached easy to electronic identification plates during production or also on existng plates which are already in the field. Despite of the small size the read range could be up to 1 m and more. |
| Key Features            | Small Size, ON-Metal Use, Rough Environment, Heat Tolerant, High Durability                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Options                 | Adhesive, Laser Engraving                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Article Type            | Ceramic TAG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Color                   | Black                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Diameter [mm]           | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Thickness [mm]          | 2.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Weight [g]              | 0.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Operating Temp °C (min) | -40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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|                         |                  |
|-------------------------|------------------|
| 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                        |
|----------------|---------|------|---------|----------------------------|
| 3011-01-324-00 | 6x2.5mm | UHF  | UCODE 8 | ISO 18000-6C / EPC Gen2 V2 |

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