

# Transponder ATEX

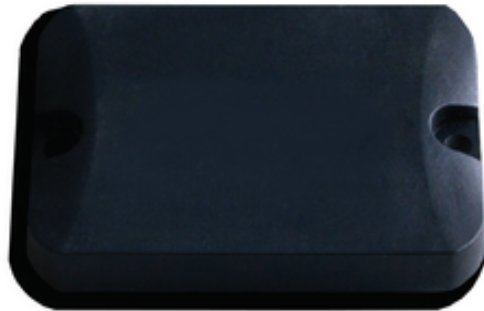
## Square TAG

**PART ID:**  
**3020**

ATEX Zone 1 / 21 certified 51 x 36 x 8 mm UHF ON METAL RFID HT TAG

### Main Specifications

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



### Full Specifications

|                   |   |
|-------------------|---|
| Product ID        | 3020  |
| Atex              | yes   |
| On Metal Use      | yes   |
| Material          | Polyamid  |
| Shape             | Overmolded  |
| Short Description | ATEX Zone 1 / 21 certified 51 x 36 x 8 mm UHF ON METAL RFID HT TAG  |
| Long Description  | The ATEX Zone 1 / 21 certified UHF ON METAL RFID HT TAG 51 x 36 x 8 mm has been developed for rugged environment. Applications in hazardous areas ATEX Zone 1 (Gas) and Zone 21 (Dust), where long read range of up to 10 m are required, are predestinated. The ATEX transponder contains a Read Write memory of 512 bit, so needed update data could be programmed during the supply chain. Three 96 bit EPC coding can be expanded up to 480 bits. The unalterable 64-bit serial number and unique UID provides the code carrier function only. The ATEX UHF transponder can be programmed by using the TECTUS Desktop reader (non EX). For the field application TECTUS offers ATEX Zone 1 / 21 or Zone 2 certified handheld computers. The stationary TECTUS ATEX UHF reader in cooperation with the suitable external ATEX antennas allows users the reading of ATEX TAGs in hazardous area ATEX Zone 2 / 22. |
| Key Features      | ON-Metal Use, Rough Environment, Heat Tolerant, High Durability   |
| Options           | Adhesive, Laser Engraving, Logo   |
| Article Type      | Square TAG  |
| Color             | Black   |
| Length [mm]       | 51  |
| Width [mm]        | 36.3  |

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|                         |                  |
|-------------------------|------------------|
| Thickness [mm]          | 7.5              |
| Weight [g]              | 26               |
| Hole                    | yes              |
| Operating Temp °C (min) | -40              |
| Operating Temp °C (max) | 60               |
| Storage Temp °C (min)   | -40              |
| Storage Temp °C (max)   | 60               |
| Peak Temp I / °C        | 250              |
| Peak TIME I [h]         | 500              |
| High Temp               | yes              |
| 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                        |
|----------------|---------------|------|---------|----------------------------|
| 3020-01-350-00 | 51x36.3x7.5mm | UHF  | Higgs 9 | ISO 18000-6C / EPC Gen2 V2 |