

# Transponder ON METAL

## Square TAG

### PART ID:

**2020-01-371-00**

Highly durable, compact UHF RFID Tags track metal assets in harsh environments.

### Main Specifications

|                       |   |
|-----------------------|---|
| Material              | PPA   |
| Operating Temperature | -40°C to 85°C   |
| IP Class              | IP67  |
| Compliance            | RoHs & Reach, CE  |
| Key Features          | Rough Environment, ON-Metal Use, High Durability, ATA Spec 2000/ SAE AS5678 Ready |
| Options               | Adhesive, Pad Printing  |



### Chip Specification (Chip 371)

|           |                            |
|-----------|----------------------------|
| Chip      | Impinj - Monza X-8k        |
| Frequency | 869 MHz ( UHF )            |
| Memory    | 8192 Bit                   |
| Norm      | ISO 18000-63 / EPC Gen2 V2 |

## Full Specifications

|                   |  |
|-------------------|--|
| Product ID        | 2020   |
| On Metal Use      | yes  |
| PEAK Performance  | yes  |
| Material          | PPA  |
| Shape             | Overmolded   |
| Short Description | Highly durable, compact UHF RFID Tags track metal assets in harsh environments.  |
| Long Description  | Square UHF transponders deliver exceptional performance on metal surfaces. Extremely durable, they are built to withstand vibration, shock, chemical exposure and fluctuating temperatures. Designed for tracking aircraft parts, IronTag devices tolerate the harsh conditions of vehicle and equipment manufacturing, processing and operation. Units provide up to 8 KBytes of user memory and deliver the highest flame resistance rating available. |
| Key Features      | Rough Environment, ON-Metal Use, High Durability, ATA Spec 2000/ SAE AS5678 Ready  |
| Options           | Adhesive, Pad Printing   |
| Comments          | PEAK >120°C  |
| Main Use          | Asset Tracking   |

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|                         |                  |
|-------------------------|------------------|
| Article Type            | Square TAG       |
| Color                   | Black            |
| Length [mm]             | 31.1             |
| Width [mm]              | 33.7             |
| Thickness [mm]          | 6.1              |
| Weight [g]              | 9.9              |
| Hole                    | yes              |
| Operating Temp °C (min) | -40              |
| Operating Temp °C (max) | 85               |
| Storage Temp °C (min)   | -40              |
| Storage Temp °C (max)   | 90               |
| High Temp               | yes              |
| IP Class                | IP67             |
| Chemical Resistance     | Not Specified    |
| Flame Resistance        | UL 94 V0         |
| Mechanical Resistance   | IK 06            |
| Attachment Method       | Screw/Rivet      |
| Compliance              | RoHs & Reach, CE |

## VARIANTS AND ICS

| ID             | Variant         | Band | Type       | ISO                        |
|----------------|-----------------|------|------------|----------------------------|
| 2020-01-367-00 | 33.7x6.1x31.1mm | UHF  | Monza X-2k | ISO 18000-63 / EPC Gen2 V2 |
| 2020-01-371-00 | 33.7x6.1x31.1mm | UHF  | Monza X-8k | ISO 18000-63 / EPC Gen2 V2 |