# Transponder

## Glass TAG

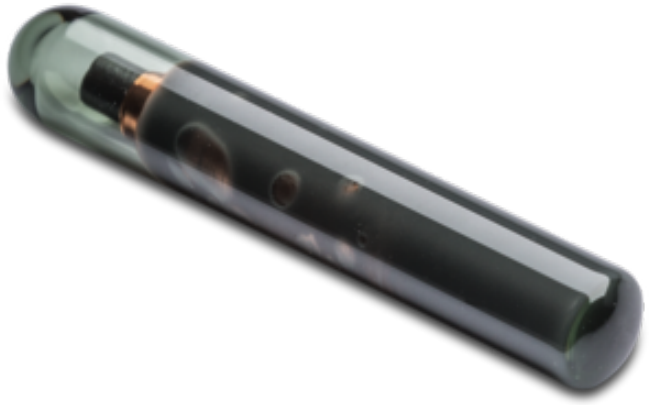
**PART ID:**

**1043**

Embeddable RFID Glass Tags with high chemical resistance and exceptional performance

### Main Specifications

| | |
|---|---|
| Frequencies | **LF HF** UHF |
| Material | Glass |
| Operating Temperature | -25°C to 85°C |
| IP Class | IP68 |
| Compliance | RoHs & Reach, CE |
| Key Features | Small Size, Heat Tolerant, Versatile, High Durability |



## Full Specifications

| | |
|---|---|
| Product ID | 1043 |
| Material | Glass |
| Shape | Potted |
| Short Description | Embeddable RFID Glass Tags with high chemical resistance and exceptional performance |
| Long Description | Glass Tag transponders can be easily inserted or molded into a variety of materials, to enable automated asset identification and management applications using RFID. The inherent properties of glass protect embedded electronics from exposure to harsh chemicals, ensure that tag readability is unaffected by immersion in liquids, and provide excellent stability over fluctuating temperatures. |
| Key Features | Small Size, Heat Tolerant, Versatile, High Durability |
| Main Use | Embeddable RFID |
| Article Type | Glass TAG |
| Color | Transparent |
| Diameter [mm] | 4 |
| Length [mm] | 21.7 |
| Operating Temp °C (min) | -25 |
| Operating Temp °C (max) | 85 |
| Storage Temp °C (min) | -40 |
| Storage Temp °C (max) | 90 |

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Where application information is given, it is only advisory and does not form part of the specification.



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| | |
|---|---|
| Peak Temp I / °C | 120 |
| Peak TIME I [h] | 100 |
| Peak Temp II / °C | 140 |
| Peak TIME II [h] | 10 |
| High Temp | yes |
| Food compatible | yes |
| 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 |
|---|---|---|---|---|
| 1043-01-112-00 | 4x21.7mm | LF | HITAG S 256 | ISO/IEC 11784 & 11785 & 14223 |
| 1043-01-152-00 | 4x21.7mm | LF | EM4200/Unique | ISO/IEC 11784/85 Compatible |
| 1043-01-264-00 | 4x21.7mm | HF | ICODE SLIX 2 | ISO/IEC 15693 & 18000-3 |

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