

GT3035

UHF RFID Industrial Data Carrier

APPLICATIONS

- Manufacture process tracking
- Industrial washing
- Marine asset tracking

FEATURES

- Performs under repeated exposure to caustic fluids
- Survive high temperatures up to 248°F (120°C)
- Anti-impact, vibration resist, IP69K rated
- Inserted holes for reliable attachment



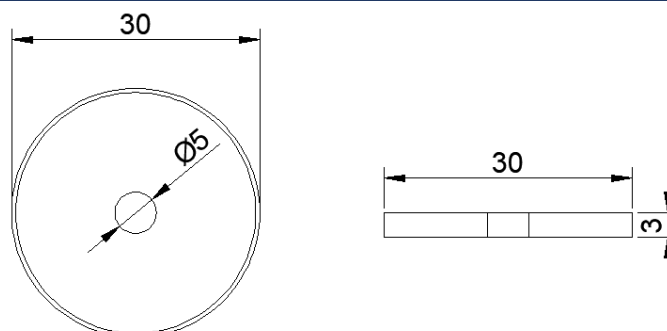
RF Specifications

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|--|---|
| RF protocol | ISO18000-6C, EPC Class 1 Gen2 |
| Operating frequency | 865-868MHz (EMEA); 902-928MHz (US) |
| Chip type | Higgs 4 (Customizable) |
| Memory configuration | 128-Bits EPC 128-Bits User 64-Bits Unique TID |
| Data retention | 50 years at operation temperature |
| Read range on metal (2W ERP) ¹ | Limited |
| Read range off metal (2W ERP) ¹ | Up to 150 CM |
| Polarization | Circular |

¹Read ranges are achieved by lab testing methodology, the read range will vary with output power of reader and applications.

Physical Specifications

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|------------|--------------------------------------|
| Material | High performance Engineering polymer |
| Color | Black |
| Dimensions | Ø30 x 3.0mm (±0.2mm) |
| Weight | 0.06 oz (1.6 g) |



Operational and Environmental Specifications

| | |
|---|---|
| Operational temperature | -40°F (-40°C) to +185°F (+85°C) |
| Survivability temperature | -40°F (-40°C) to +248°F (+120°C) |
| Operational humidity | 5% to 95% non-condensing |
| IP Rating | IP69K |
| Shock and Vibration | MIL STD 810-G |
| Drop spec | Multiple drops to concrete: 4 ft./1.2 m across the operating temperature range |
| Compression strength | Up to 12 MPa (1740 psi) |
| Chemical resistance ² : | No significant changes after ² : |
| <ul style="list-style-type: none">• Salt water (15% salinity) exposure• Sodium Hydroxide (10% pH 14) exposure• Sulfuric acid (10%, pH 2) exposure• Engine oil exposure• Isopropyl exposure• alcohol Industrial cleaner exposure• Epoxy resin coolant exposure• Industrial rust lubricant exposure• Acetone exposure• Gasoline exposure• Diesel fuel exposure• Soap solution (30%) exposure• Carboxylic acids exposure | <ul style="list-style-type: none">• 168 hours• 168 hours• 168 hours• 168 hours• 48 hours• 48 hours• 48 hours• 48 hours• 48 hours• 48 hours• 48 hours• 48 hours |

²The chemical resistance is based on the concentration of solutions and application environment, please contact us for further details on chemical.

Mounting System

| | |
|--------------------|---|
| Mechanical fixings | <ul style="list-style-type: none">• Screws (M5)• Cable tie |
| Adhesive fixings | <ul style="list-style-type: none">• VHB Tape• Adhesive |

Order Information

| | |
|--------------|--------------|
| WJT-GT3035-1 | GT3035 EU |
| WJT-GT3035-2 | GT3035 CN/US |

OTHERS

| | |
|----------|--|
| Options | Laser engraving, Per-Encoding, Logo Printing |
| Warranty | 1 year |

The performance of the product should always be tested in the actual application conditions. Our recommendations are based on our most current knowledge and experience and the pictures and illustrations presented in this document are for illustration purposes only. As our products are used in conditions beyond our control, we cannot assume any liability for damage caused through their use.

