

Armor 260 - Paintshop

The Armor 260 UHF RFID Tag are specifically designed for the spraying line application, it is a high temperature ruggedized tag which is chemically resistant and can survive temperatures up to 500°F (260°C), Armor 260 tag is suited for cycle application and has an IP68 rating.

APPLICATIONS

- Paint-shop processes
- Automotive manufacturing

FEATURES

- Specifically designed for Paint-shop process
- Performs under repeated exposure to caustic fluids
- Extreme strong and durable
- High application temperature range



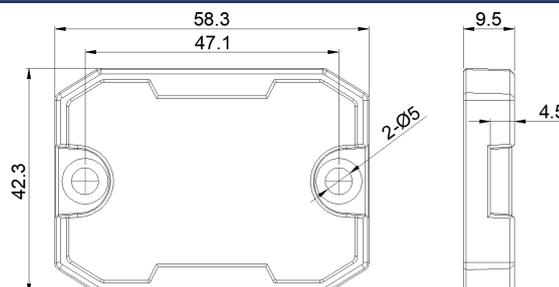
RF Specifications

| | | |
|--|---|------------------------------------|
| RF protocol | ISO18000-6C, EPC Class 1 Gen2 | |
| Operating frequency | 865-868MHz (EMEA); 920-925MHz (CN, US) | |
| Chip type | Higgs 3 | UCODE 8 |
| Memory configuration | 96-Bits EPC (extensible to 480b) 512-Bits User 64-Bits Unique TID | 128-Bits EPC 48-Bits Unique TID |
| Data retention | 50 years at operation temperature | |
| Read range on metal (2W ERP) ¹ | Up to 10 M (33 ft) | |
| Read range off metal (2W ERP) ¹ | Limited | |
| Polarization | Linear | |

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

Physical Specifications

| | |
|---------------|--|
| Tag Materials | High performance Engineering polymer |
| Color | Black |
| Dimensions | 58.3 x 42.3 x 9.5 ±0.5mm (2.3 x 1.67 x 0.37 ±0.02in) |
| Weight | 1.46 oz (41.5 g) |



Operational and Environmental Specifications

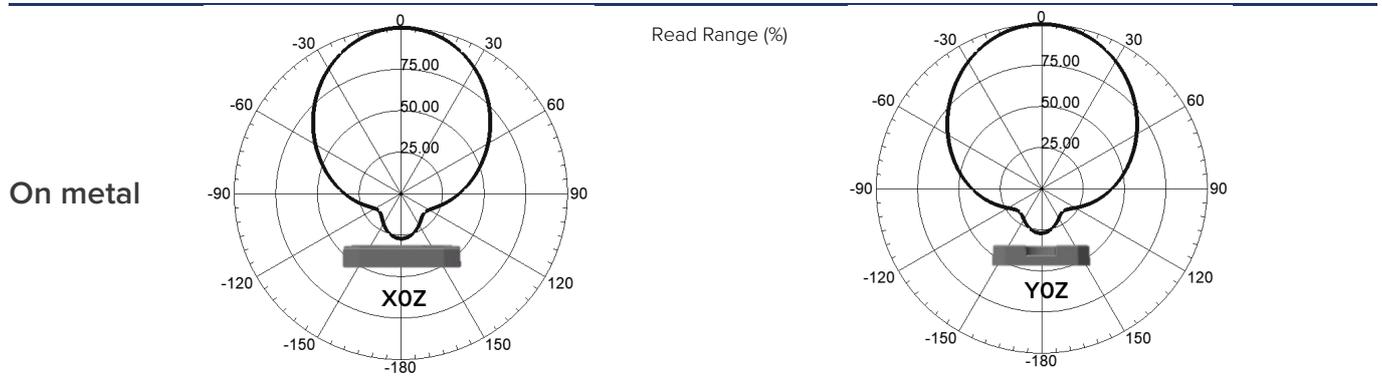
| | |
|---|--|
| Operational temperature | -40°F (-40°C) to +185°F (+85°C) |
| Survivability temperature | -58°F (-50°C) to +500°F (+260°C) |
| Operational humidity | 5% to 95% non-condensing |
| IP Rating | IP68, at 20°C, 6.6 ft (2 m) 24 hours tested |
| Shock and Vibration | MIL STD 810-G |
| Drop spec | Multiple drops to concrete: 4 ft./1.2 m across the operating temperature range |
| 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 |

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

Mounting System

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|--------------------------|--|
| Mechanical fixings (Std) | <ul style="list-style-type: none"> Screws (M4.5) Rivet hole \varnothing 0.19 in (\varnothing 5 mm) |
|--------------------------|--|

Radiation Pattern



Order Information

| | |
|-------------|-----------------|
| WJT-C0112-1 | Armor 260 EU |
| WJT-C0112-2 | Armor 260 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.

