

### 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



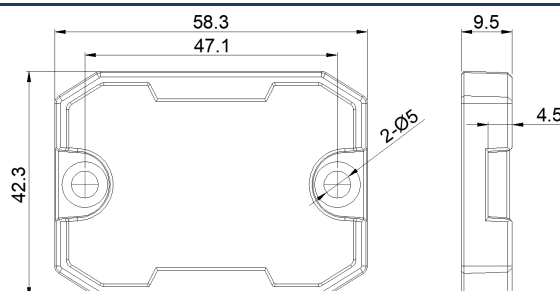
#### RF Specifications

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) <sup>1</sup>	Up to 10 M (33 ft)	
Read range off metal (2W ERP) <sup>1</sup>	Limited	
Polarization	Linear	

<sup>1</sup>Read 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

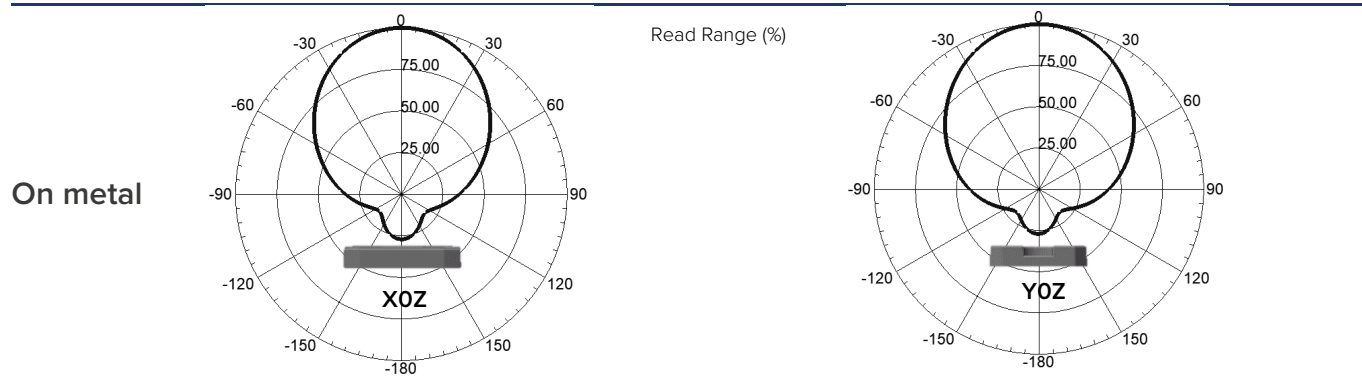
Operational temperature	-40°F (-40°C) to +185°F (+85°C)
Survivability temperature	-58°F (-50°C) to +500°F (+260°C)
Operational humidity	5% to 95% non-condensing
IP Rating	IP68, at 20°C, 6.6 ft (2 m) 24 hours tested
Shock and Vibration	MIL STD 810-G
Drop spec	Multiple drops to concrete: 4 ft./1.2 m across the operating temperature range
Chemical resistance <sup>2</sup> :	No significant changes after <sup>2</sup> :
<ul style="list-style-type: none"><li>• Salt water (15% salinity) exposure</li><li>• Sodium Hydroxide (10% pH 14) exposure</li><li>• Sulfuric acid (10%, pH 2) exposure</li><li>• Engine oil exposure</li><li>• Isopropyl exposure</li><li>• alcohol Industrial cleaner exposure</li><li>• Epoxy resin coolant exposure</li><li>• Industrial rust lubricant exposure</li><li>• Acetone exposure</li><li>• Gasoline exposure</li><li>• Diesel fuel exposure</li><li>• Soap solution (30%) exposure</li><li>• Carboxylic acids exposure</li></ul>	<ul style="list-style-type: none"><li>• 168 hours</li><li>• 168 hours</li><li>• 168 hours</li><li>• 168 hours</li><li>• 48 hours</li><li>• 48 hours</li><li>• 48 hours</li><li>• 48 hours</li><li>• 48 hours</li><li>• 48 hours</li><li>• 48 hours</li><li>• 48 hours</li><li>• 48 hours</li></ul>

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

## Mounting System

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

