

### Aurora G

The Aurora G tag is the versatile and durable tag for asset tracking applications with Global performance. It is IP68-rated designed that suitable for outdoor environments as well as exposure to water and contaminants, It has a long-read range up to 10 meters and broad read angle for industrial and warehouse portals, and logistics applications.

#### APPLICATIONS

- Container Logistics tracking
- Outdoor Device identification
- Warehousing management

#### FEATURES

- Global performance for tracking
- Cost effective
- Extreme durability
- Various easily mounting systems



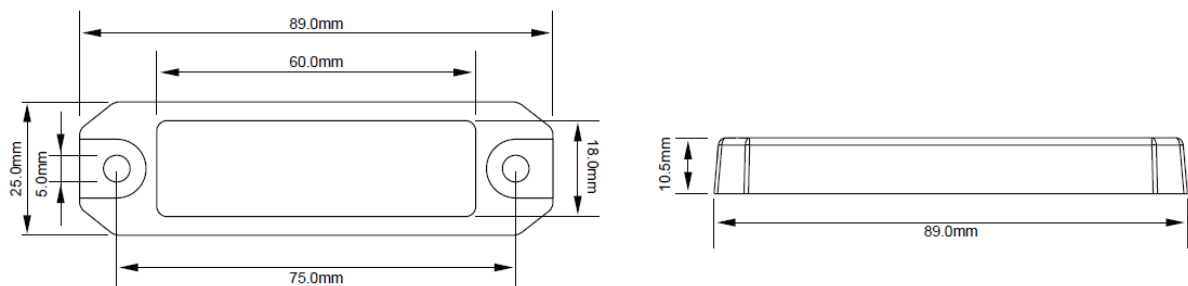
#### RF Specifications

RF protocol	ISO18000-63, EPC Class 1 Gen2
Operating frequency	865-928MHz Global
Chip type	Monza R6P
Memory configuration	128-EPC Bits, 64 User Bits, 96 Bit 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>	Up to 5 M (16.5 ft)
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	Engineering Plastic
Color	White
Dimensions	89 x 25 x 10.5mm (3.5 x 0.98 x 0.41 in)
Weight	0.776 oz (22 g)



## Operations and Environmental Specifications

Operational temperature	-40°F (-40°C) to +185°F (+85°C)
Survivability temperature	-40°F (-40°C) to +185°F (+85°C)
Operational humidity	5% to 95% non-condensing
IP Rating	IP68, 20°C 3.3 ft (1 m) 12 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>• Motor oil exposure</li><li>• Salt water (salinity 15%) exposure</li><li>• Sulfuric acid (10%, pH 2) exposure</li><li>• NaOH (10%, pH 13) exposure</li></ul>	<ul style="list-style-type: none"><li>• 168 hours</li><li>• 48 hours</li><li>• 48 hours</li><li>• 48 hours</li></ul>

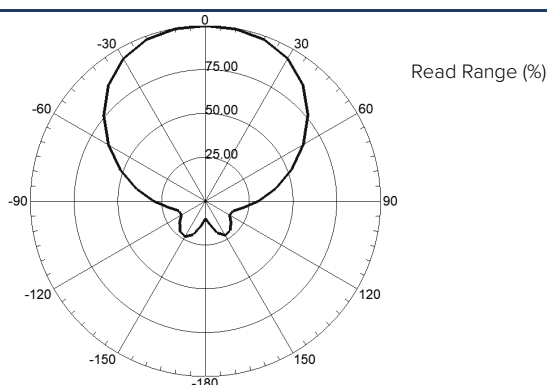
<sup>2</sup>The chemical resistance is based on the concentration of solutions and application environment, please contact us for further details on chemical.

## Mounting System

Mechanical fixings (Std)	<ul style="list-style-type: none"><li>• Screws</li><li>• Pop rivets</li><li>• Cable tie</li></ul>
Adhesive fixings	<ul style="list-style-type: none"><li>• Foam Tape</li><li>• Adhesive</li></ul>

## Radiation Pattern

On metal



## Order Information

WJT-P0610-GL	Aurora G
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## Others

Options	Laser engraving, Per-Encoding Labelling, 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.

