

# METAL SKIN MERCURY 86 MAX

## Technical Specifications

- **RF protocol** ISO/IEC 18000-6C (EPC Gen2)
- **Frequency** 902-928 MHz (US)
- **IC type (chip)**<sup>1</sup> Impinj Monza R6-P
- **Chip memory**<sup>2</sup> 128 bits EPC; 96 bits TID; 32 bits user memory
- **Read range fixed**<sup>3</sup>  
Up to 62.34 ft (19 m) on metal  
Up to 45.93 ft (14 m) off metal
- **Read range handheld**<sup>3</sup>  
Up to 36.09 ft (11 m) on metal  
Up to 22.97 ft (7 m) off metal
- **Polarization** Linear

## Key Features

- + **19 m read range:** read from long distance
- + **Flexible label:** for curved surfaces
- + **Printable:** human and computer-readable
- + **IP68 rating:** waterproof

## Applications

- Reusable packaging and containers
- Global supply chain
- Logistics
- WIP inventory

## Environmental Specifications

### Temperatures



- Operational -40°C to +85°C
- Survival -40°C to +85°C

- **IP rating** IP68
- **Storage Humidity** 50 ± 15%RH
- **Vibration** MIL-STD-810G
- **Printer compatibility** SATO CL4NX, Zebra ZT411R, Postek TX3r, TSC Printronix T6000e, etc.
- **Warranty** 1 year

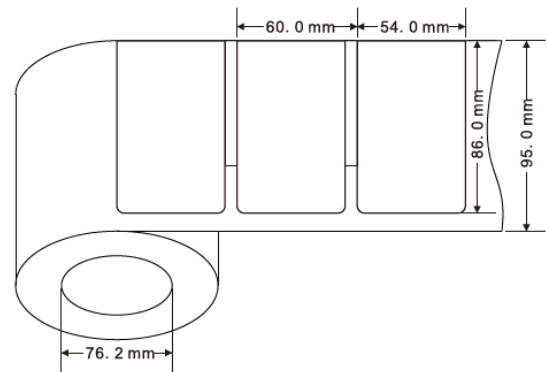
<sup>1</sup> The chip data retention is up to 50 years, based on chip operating under general environment conditions.

<sup>2</sup> EPC can be re-programmed or permanently locked, can not be password protected. TID is locked and unique at the point of manufacturing.

<sup>3</sup> Actual read range may vary based upon use case and antenna power.

## Physical Specifications

- **Material** White thermal transfer face stock
- **Dimensions (in)<sup>1</sup>** 3.39 x 2.13 x 0.05
- **Dimensions (mm)<sup>2</sup>** 86 x 54 x 1.25
- **Packaging** 150pcs/roll
- **Weight (roll)** 1.65 lbs (0.75 kg)



## Mounting Systems

- Industrial adhesive

## Installation Instructions

1. Clean the surface using Isopropyl alcohol, alcohol pad or equivalent solvent to ensure surface is free from dirt, dust, oil and misc, debris that may affect adhesion.
2. Handle the label by edges, peel release liner from back ensuring not to touch the adhesive.
3. Place the label in desired tagging location and firmly apply even pressure to the label for 5 seconds.
4. Do not disturb the newly mounted label for at least 15 minutes to ensure proper adhesive seating.

<sup>1</sup> Tolerance: Length/Width= +/- 0.02; Thickness= +/- 0.008

<sup>2</sup> Tolerance: Length/Width= +/- 0.50; Thickness= +/- 0.200

## Industry Compliance



## Order Information

METAL SKIN Mercury 86 Max US: X8654-US011-R6P

## Customization Options

Encoding

Printing

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