



METAL SKIN TITANIUM 48 LIQUID

Technical Specifications

- **RF protocol** EPC global Class 1 Gen 2
- **Frequency** 902-928 MHz (US);
865-868 MHz (EU)
- **IC type (chip)**¹ NXP UCODE 8
- **Chip memory**² 128 bits EPC; 96 bits TID
- **Read range fixed**³
Up to 16.40 ft (5 m) on liquid
Up to 6.56 ft (2 m) on metal
- **Read range off metal**³ Up to 3.28 ft (1 m)
- **Polarization** Linear

Key Features

- + **Small size:** fits small asset
- + **5m read range on liquid:** read on bottles or liquid container
- + **Printable:** human and computer-readable
- + **Flexible label:** for curved surfaces
- + **IP68 rating:** waterproof

Applications

- Food and beverage
- Medicines and pharmacy
- Liquid bottles and containers

Environmental Specifications

Temperatures



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

- **IP rating** IP68
- **Storage Humidity** 50±15%RH
- **Printer compatibility** SATO CL4NX, Zebra ZT410 Silverline, Postek TX3r, etc.
- **Vibration** MIL-STD-810G
- **Warranty** 1 year

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

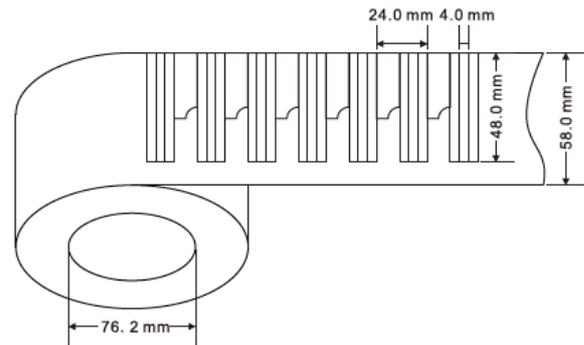
² EPC can be re-programmed or permanently locked, can not be password protected. TID is locked and unique at the point of manufacturing.

³ Actual read range may vary based upon use case and antenna power.



Physical Specifications

- **Material** White thermal transfer face stock
- **Dimensions (in)**¹ 1.89 x 0.16 x 0.04
- **Dimensions (mm)**¹ 48 x 4 x 1
- **Packaging** 1000pcs/roll
- **Weight (roll)** 1.76 lbs (0.80 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.

¹ Tolerance: +/- 0.02; +/- 0.50

² Tolerance: H=0.04(+/- 0.004); H=1(+/- 0.100)

Industry Compliance



Order Information

METAL SKIN Titanium 48 Liquid
US: X4804-US011-U8

METAL SKIN Titanium 48 Liquid
EU: X4804-EU011-U8

Customization Options

Encoding

Printing

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