Metal Skin Titanium specifications

ON METAL ZIPRT3019299

The Metal Skin® Titanium are one of the smallest durable UHF RFID labels, delivering superior performance for applications where size is critical. These printable labels are ideal for various assets, including electronic devices, IT equipment, medical supplies, and other high-value items.



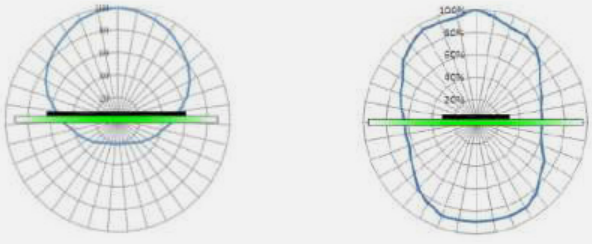
Technical specifications

- **RF protocol:** EPC global Class 1 Gen 2
- **Frequency:** 865-868 MHz (EU)
- **IC type:** (chip)[1] NXP UCODE 9
- **Chip memory**[2]**:** 96 bits EPC; 96 bits TID
- **Read range on metal**[3]**:** Up to 2.50 m
- **Read range off metal**[3]**:** Up to 1 m
- **Polarization:** linear
- **Radiation pattern:** on-metal and off-metal

ON-METAL - HORIZONTAL/VERTICAL



OFF-METAL - HORIZONTAL/VERTICAL



[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.

Industry compliance

Key features

- **Small size:** fits small asset
- **Printable:** human and computer- readable
- **Flexible label:** for curved surfaces
- **Cost effective:** for high volume
- **IP68 rating:** waterproof

Applications

- Product authentication
- IT asset and laptop tracking
- Radio and mobile equipment
- Foil-based packaging tracking

Environmental specifications

- **Temperatures:**
  - Operational -40°C to +85°C
  - Survival -40°C to +85°C (long term)
- **IP rating:** IP68
- **Storage Humidity:** 50±15%RH
- **Compression strength:** 58 psi (400 kPa)
- **Vibration:** MIL-STD-810G
- **Warranty:** 1 year

Physical specifications

- **Material:** White thermal transfer face stock
- **Dimensions (mm)**[1]**:** 45 x 5.60 x 1
- **Packaging:** 500 pcs/roll
- **Weight (roll):** 0.40 kg

Mounting systems

- Industrial adhesive

Installation instructions

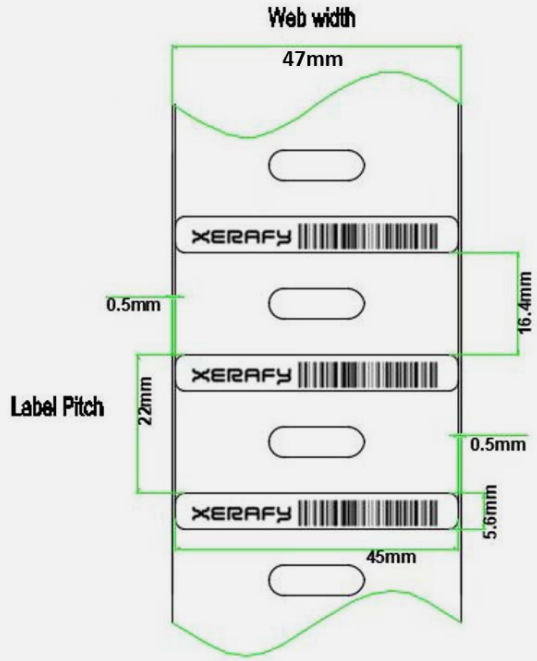
- Clean the surface using Isopropyl alcohol, alcohol pad or equivalent solvent to ensure surface is free from dirt, dust, oil and misc,debris that may affect adhesion.
- Handle the label by edges, peel release liner from back ensuring not to touch the adhesive.
- Place the label in desired tagging location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

Order information

- Metal Skin Titanium EU: ZIPRT3019299

Customization options

- Encoding
- Printing



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

Need more information?

You'll find additional resources and support at **zebra.com/gb/en/products/supplies/rfid-labels-tags**

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