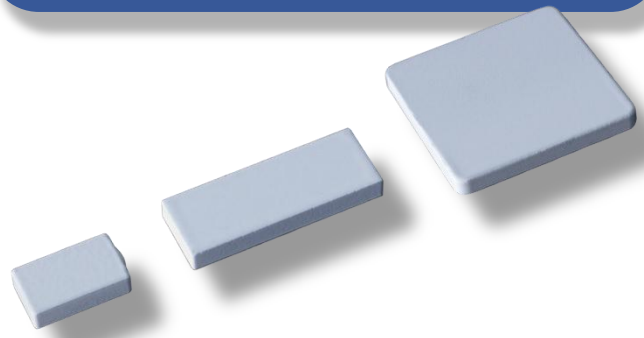


iDTRONIC In-Metal Tags UHF tags are specifically designed for In-Metal applications. RFID tags are normally applied externally on metal surfaces, where they are susceptible to damage from normal wear and tear and can be targets for deliberate tampering.

Embed-in-metal technology is the most reliable solution to prevent tampering as there is no way to remove the RFID tag without destroying the product. iDTRONIC In-Metal Tags UHF enable embedding RFID during the production process of the metal part, reducing application costs and allowing manufacturers and end-users the opportunity to differentiate and deliver greater value.

Applications:

- Tool tracking
- Weapon tracking
- Medical
- Automotive parts identification



Technical Data

Mechanical Specifications

Dimensions: 30 × 30 × 3 mm (IM2)
25 × 9 × 3 mm (IM3)
12 × 7 × 3 mm (IM4)

Material: Ceramic

Protection Class: IP68

Electrical Specifications

Frequencies: 864-868 MHz (EU)
902-928 MHz (US)

Reading Distance: Up to 6 m (IM2) / 4 m (IM3) / 1 m (IM4)

Chip Type: NXP UCODE G2XM,
EPC Class1 Gen2 (ISO18000-6C)
512 bit user memory,
96 bit EPC number

Environmental Conditions

Application Temperature: -30 °C to +85 °C
Temp. Range short-term: -40 °C to +150 °C
Humidity: 5 % to 95 %

Options

Available with TEGO high memory chip as well.

Order Codes

ST-IM2-UHF
ST-IM3-UHF
ST-IM4-UHF