

# UHF RFID BOLT SEAL

## IDT BLS 01



UHF



Low Cost



IP 68



Tamper Evident

The IDT BLS 01Y/W/B is an advanced UHF Gen2 Long Range Passive Tag, specifically designed for high-security asset sealing. Its durable build and state-of-the-art RFID technology ensure unmatched protection against unauthorized access. By seamlessly integrating with tracking systems, this tag provides real-time visibility and precise identification, making it perfect for industries requiring superior security and efficient asset management. Common applications include shipping and logistics, customs and border control, warehousing, high-value asset protection, and energy/utilities sectors.

### PHYSICAL PARAMETERS

<b>Dimensions</b>	150mm x 25mm x 16mm
<b>Weight</b>	120g ± 5
<b>Encasement / Material</b>	ABS/PC
<b>Packaging</b>	Premium Plastic Packing

### ENVIRONMENTAL SPECIFICATION

<b>Operating Temperature</b>	-40°C to +85°C
<b>Storage Temperature</b>	-40°C to +120°C
<b>Chemical Resistance</b>	Resistant To Chemical Solvent and Moisture
<b>Sealing</b>	IP 68
<b>Shock &amp; Vibration</b>	MIL STD 810-G
<b>Attachment</b>	Locking Mechanism

### UHF PERFORMANCE

<b>Working Frequency</b>	860-960 MHz (ETSI), 902-928 MHz (FCC)
<b>Standard Protocol</b>	EPC Class 1 Gen2 (ISO18000-6C)
<b>Chip Type</b>	Alien Higgs-9 or UCODE 7 chip
<b>EPC Memory</b>	Chip Dependent
<b>TID Memory</b>	Chip Dependent

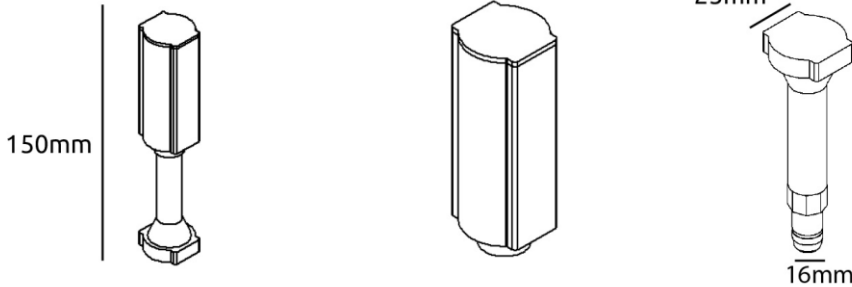
**Read Range Fixed Reader**

Up to 5m (Reader & Chip Dependent)

**Read Range Handheld Reader**

Up to 3m (Reader & Chip Dependent)

## TAG DIMENSION



## PERSONALIZATION

**Pre-Encoding**

Customer Specific Encoding of EPC

**Customized Printed**

Customer Specific Layout Including Logo, Text, Numbers, Barcode, etc.

## ORDER INFORMATION

**Part No.**

IDT.RF.T.BLS.01B.BL (Blank)

IDT.RF.T.BLS.01W.BL (Blank)

IDT.RF.T.BLS.01Y.BL (Blank)

## APPLICATION AREA



Shipping and Logistics



Customs and Border Control



High-Value Asset Protection



Warehousing and Inventory Management



CFS Station



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The product specifications and descriptions listed in the specification sheet are subject to change anytime without notice.

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