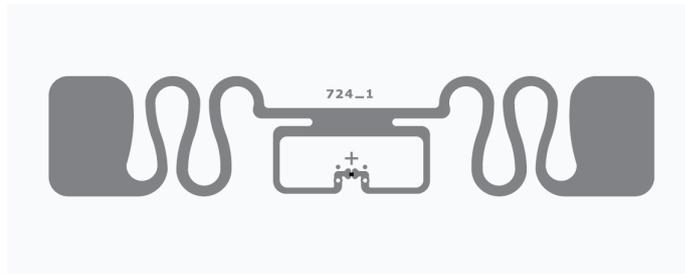


# UHF RFID BELT INLAY

## IDT 7013



The IDT Belt Inlay, powered by the NXP UCODE 9XM Chip, is equipped with 256 bit EPC memory. Tailored for small-scale retail applications, it operates within the 860-960 MHz/ 865-868 MHz (ETSI) frequency range, delivering exceptional broadband performance. The IC adheres to the global GS1 UHF Gen2v2 standard and includes a privacy mode for loss prevention and consumer privacy protection. These inlays excel in minimal footprint and demonstrate superior performance on challenging-to-tag materials such as cardboard and plastic, as well as in other demanding, close-coupling environments.

### PHYSICAL PARAMETERS

<b>Label / Die-cut Dimension</b>	73 × 17 mm
<b>Antenna Dimensions</b>	Approx. 70 × 14 mm (variant dependent)
<b>Adhesive</b>	General purpose permanent (wet/label)
<b>Face Material</b>	Paper / printable label stock
<b>Availability</b>	Dry inlay / Wet inlay / Label

### ENVIRONMENTAL SPECIFICATION

<b>Operating Temperature</b>	-40°C to +85°C
<b>Storage Temperature</b>	-40°C to +85°C
<b>Chemical Resistance</b>	Resistant to moisture & common solvents
<b>Write Cycles</b>	≥100,000
<b>Shelf Life</b>	Up to 2 years

## RF PERFORMANCE

<b>Working Frequency</b>	865-868 MHz (EU), 902-928 MHz (US)
<b>Standard Protocol</b>	ISO/IEC 18000-6C, EPCglobal Class 1 Gen 2
<b>Chip Type</b>	NXP UCODE 9 / NXP UCODE 7XM / Impinj M730 / Impinj M750
<b>EPC Memory</b>	Depending on selected chip
<b>Read Range (Fixed Reader)</b>	Optimized for item-level & retail use
<b>Read Range (Handheld Reader)</b>	Consistent short-to-medium range

## PERSONALIZATION

<b>Pre-Encoding</b>	Customer Specific Encoding of EPC
<b>Customized Printed</b>	Customer Specific Layout Including Logo, Text, Numbers, Barcode, etc.

## ORDER INFORMATION

<b>Part No.</b>	IDT.RF.T.IDT7013(Blank)
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## APPLICATION AREA



Retail



Healthcare



Beauty and  
Personal Care



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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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