BELT

Compact size and high performance in item-level tagging

SMARTRAC BELT inlays and tags are designed for global retail, industry and supply chain applications with excellent performance, including in close coupling environments.

BELT inlays and tags have a compact 76mm / 3 inch form factor, which can be easily converted into end-application usage, and are available in dry, wet and paper tag delivery formats. They are available with the NXP UCODE 7 chip that that offers unique TID, enables pre-serialized EPC and parallel encoding, and provides a product status flag.

BELT with the NXP UCODE 7 IC, used in retail applications, is included on the approved inlay list for boxed electronics by the RFID Research Center of the University of Aubern, and complies with categories A, B, D, F, G, K, I, M, N and Q. Furthermore, it meets GS1 Tagged-Item Performance Protocol (TIPP) Tagged-Item Gradings M10B S15B, M15B S15B and M20D S15D for the retail supply chain, retailers and suppliers.

SMARTRAC inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, especially in the retail environment.

Overview

Operating Frequency
860 - 960 MHz

Integrated Circuit (IC)
NXP UCODE 7

Antenna Size
70 × 10 mm (2.7 × 0.4 in)
Die-cut Size
73 × 13 mm (2.9 × 0.5 in)

International Standards

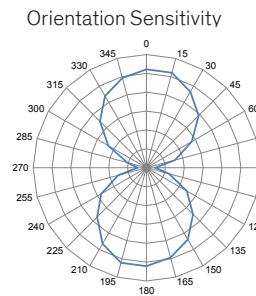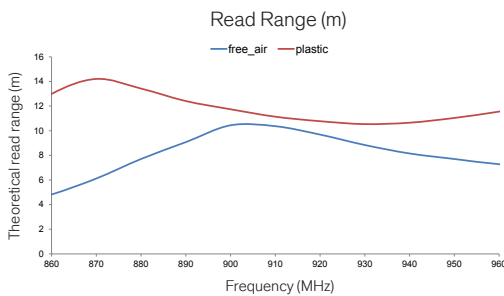▶ EPC Class 1 Gen 2
  ISO 18000-6C

Application Areas

▶ Brand Protection
▶ Industry
▶ Retail
▶ Supply Chain Management

BELT

Compact size and high performance in item-level tagging

Technical Features			
IC + Memory NXP UCODE 7 128 bit EPC	**Size** 70 × 10 mm / 2.7 × 0.4 in 73 × 13 mm / 2.9 × 0.5 in 73 × 13 mm / 2.9 × 0.5 in	**Format*** Dry Wet Paper Tag	**Sales Code** 3003163 3003011 / 3005177 3003012 / 3004854
Web Width	80 mm / 3.15 in		
Operating Temperature	-40 °C to +85 °C / -40 °F to +185 °F		
Adhesive	Acrylic, water borne adhesive		
Qty/Reel	15,000 pcs / 20,000 pcs		
Core Size	76 mm / 3 in		
Shelf Life	+20 °C, 50 % RH / 68 °F, 50 % RH - minimum 2 years from the date of manufacturing		

*Note: Other formats are availabe upon request.

Read Range (m)

Orientation Sensitivity

All the graphs are indicative: performance in real life applications may vary. The data has been determined based on calculations for transmitters with a 2W ERP output power level.

06/2017 EN I&T 0055