

SHORTDIPOLE

Excellent Global Performance on Various Materials

SMARTRAC SHORTDIPOLE inlays and tags are designed and optimized for global retail, industry and supply chain applications, offer excellent global performance also on lower detuning materials like cardboard and plastic.

SHORTDIPOLE inlays and tags are a size-optimized 101 mm / 4 inch form factor, making them suitable for use with a wide range of supply chain labels, and are available in dry, wet and paper tag delivery formats. They are available with the NXP UCODE 7 chip that offers unique TID, enables pre-serialized EPC and parallel encoding, and provides a product status flag.

SHORTDIPOLE with the NXP UCODE 7, used in retail applications, is already tested to meet GS1 Tagged-Item Performance Protocol (TIPP) Tagged-Item Gratings M10B and S10B, M15B and S15B as well as M20D for the retail supply chain, retailers and suppliers. Other retail performance testing is available upon request.

SMARTRAC's 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, enhancing RFID usage for difficult-to-tag materials.

Overview

Operating Frequency
860 - 960 MHz

Integrated Circuit (IC)
NXP UCODE 7

Antenna Size
93 × 11 mm (3.6 × 0.4 in)

Die-cut Size
97 × 15 mm (3.8 × 0.6 in)

International Standards

▶ EPC Class 1 Gen 2
ISO 18000-6C

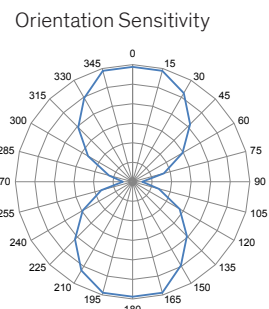
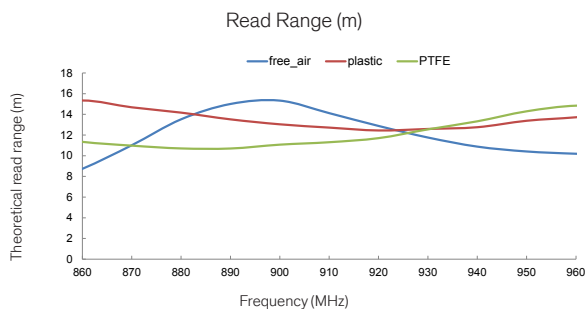
Application Areas

- ▶ Brand Protection
- ▶ Retail
- ▶ Industry
- ▶ Sports Timing
- ▶ Supply Chain Management

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Technical Features			
IC + Memory	Size	Format	Sales Code
NXP UCODE 7	93 × 11 mm / 3.7 × 0.4 in	Dry	3002652
128 bit EPC	97 × 15 mm / 3.8 × 0.6 in	Wet	3002653
	97 × 15 mm / 3.8 × 0.6 in	Paper Tag	3002654
Web Width	100 mm / 3.9 in		
Operating Temperature	-40 °C to +85 °C / -40 °F to +185 °F		
Adhesive	Acrylic, water borne adhesive	& solvent-free permanent adhesive	
Qty/Reel	5,000 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		



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.

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