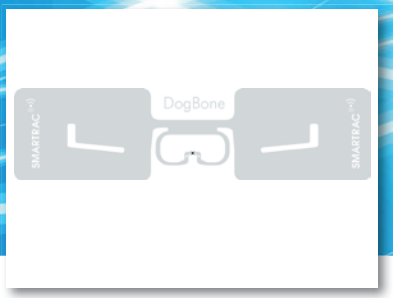
SMARTRAC
connect things



DOGBONE

Excellent Global Performance even on Difficult-To-Tag Materials

SMARTRAC's DogBone inlays and tags are designed for global supply chain, industrial, RTI and sports timing applications, and offer excellent performance in demanding environments and on different materials.

DogBone inlays and tags have a good tolerance to the detuning effect of high-electric materials, providing effective global performance even on difficult-to-tag materials. 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.

The inlay is size-optimized for 100 mm / 4 inch wide converted labels, and is available in dry, wet and paper tag delivery formats.

SMARTRAC's inlays and tags are compliant with ISO 9001:2008 Quality Management and ISO 14001:2004 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
94 x 24 mm (3.7 x 0.9 in)

Die-cut Size
97 x 27 mm (3.8 x 1.1 in)

International Standards

- EPC Class 1 Gen 2
  ISO 18000-6C

Application Areas

- Industry
- Sports Timing
- Supply Chain Management

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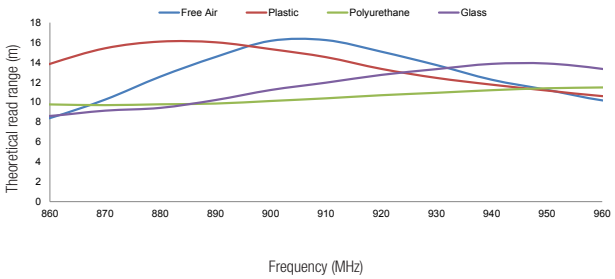
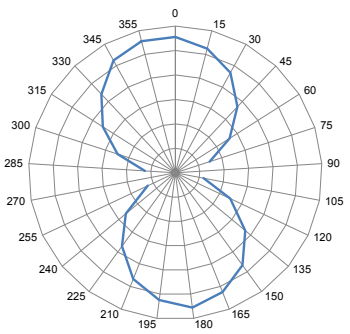
Technical Features			
IC + Memory	**Size**	**Format***	**Sales Code**
NXP UCODE 7	97 x 27 mm / 3.8 x 1.1 in	Wet	3003020
128 bit EPC	97 x 27 mm / 3.8 x 1.1 in	Paper Tag	3003021
Web Width	100 mm / 3.9 in		
Operating Temperature	-40 °C to +85 °C / -40 °F to +185 °F		
Adhesive	Acrylic, water borne adhesive & solvent-free permanent adhesive		
Qty/Reel	3,000 pcs / 5,000 pcs / 10.000 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.

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