

SHORTDIPOLE

Excellent Global Performance on Various Materials

SMARTRAC's 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 G2iL chip that offers unique TID with 128 bit memory feature.

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 G2iL

Antenna Size
92 × 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

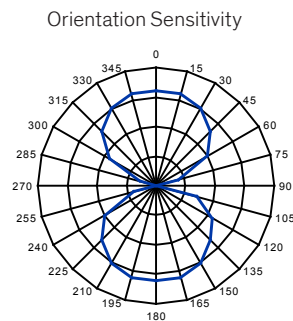
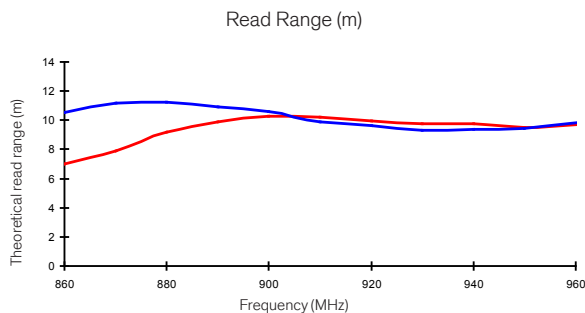
Application Areas

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

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Technical Features			
IC + Memory NXP UCODE G2iL 128 bit EPC	Size	Format*	Sales Code
	92 × 11 mm / 3.7 × 0.4 in	Dry	3002042
	97 × 15 mm / 3.8 × 0.6 in	Wet	3002043
	97 × 15 mm / 3.8 × 0.6 in	Paper Tag	3002044
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.

SMARTRAC N.V. · Strawinskylaan 851 · 1077 XX Amsterdam · The Netherlands

Phone: +31 20 30 50 150 · Fax: +31 20 30 50 155

Contact: Sales & Customer Service

www.smartrac-group.com/contact



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