

SHORTDIPOLE

Excellent global performance on various materials.



ShortDipole tags and inlays are specially designed for supply chain management, apparel and brand protection applications offering excellent global performance also on lower detuning materials like cardboard and plastic.

Benefits:

- ▶ Excellent global performance in various materials.
- ▶ Optimum size product for 4 inch wide converted labels.
- ▶ Unique TID and pre-serialized EPC number.
- ▶ Paraller encoding i.e. multiple tags can be encoded at the same time.
- ▶ Product status flag i.e. the tag can be used as EAS (Electronic Article Surveillance) tag without the need for a back-end data base.
- ▶ ISO 9001:2008 Quality Management System and ISO 14001:2004 Environment Management System support.

Overview

Operating Frequency

860 - 960 MHz

Integrated Circuit (IC)

NXP UCODE 7

Antenna Size

93 x 11 mm (3.66 x 0.43 in)

Die-cut Size

97 x 15 mm (3.82 x 0.59 in)

International Standards

EPC Class 1 Gen 2

ISO 18000-6C

Quality Assurance

100% performance tested

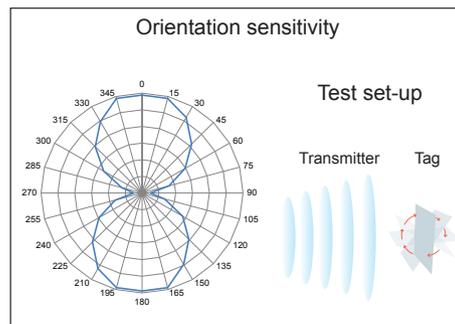
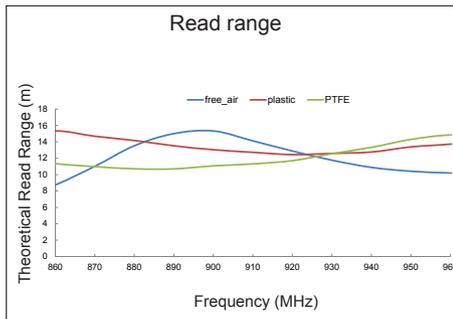
Application Areas

- ▶ Apparel
- ▶ Brand Protection
- ▶ Industrial Automation
- ▶ Supply Chain Management
- ▶ Sports Timing

SHORTDIPOLE

Technical Features	
IC	NXP UCODE 7
Memory	EPC memory 128 bit
Frequency	860-960 MHz
Antenna Size	93 x 11 mm / 3.66 x 0.43"
Die-cut Size	97 x 15 mm / 3.82 x 0.59"
Web Width	100 mm / 3.94"
Operating Temperature	-40°C to 85°C / -40°F to 185°F
Bending Diameter (D)	> 50 mm, tension max. 10 N
Delivery Formats	Dry inlay, wet inlay, tag
Adhesive	Acrylic, hot melt adhesive
Adhesive Usage Temperature	min. -40°C to 150°C / min. -40°F to 302°F
Qty/Reel	20,000 dry or wet inlays per reel, 5,000 tags per reel
Core Size	76 mm / 3"
Shelf Life: minimum of 2 years from the date of manufacture in	20°C / 68°F, 50% RH

SMARTRAC TECHNOLOGY GROUP uses three different qualification methods to evaluate the quality and reliability of RFID inlay and tag products. Products are tested according to IEC 60068-2-67 (temperature and humidity), JEDEC22-A104-B (temperature cycling) and an in-house developed bending test.



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.



RoHS CE

For further information, please contact our sales representatives:

Sales Europe
 SMARTRAC TECHNOLOGY GROUP
 Hanauer Landstrasse 291a
 60314 Frankfurt am Main
 Germany
 Tel. +49 69 904 3579 1011
 Fax +49 69 904 3579 1015
 sales.emea@smartrac-group.com

Sales Americas
 SMARTRAC TECHNOLOGY Fletcher Inc.
 267 Cane Creek Road
 Fletcher, NC 28732
 United States of America
 Tel. +1 866 901 7343
 Fax +1 828 651 6063
 sales.americas@smartrac-group.com

Sales APAC
 SMARTRAC TECHNOLOGY PTE. Ltd.
 SINGAPORE
 6 Greenleaf Walk
 Amsterdam Building 2-8
 Singapore 279226
 Tel. +60 4 489 36-0
 Fax +60 4 489 36-50
 sales.apac@smartrac-group.com