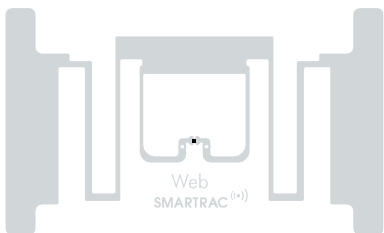


WEB

Optimized size and shape for apparel applications.



Web tags and inlays are designed for the unique identification of items such as apparel and electronics. They are suitable especially for item-level retail, logistics and supply chain applications.

Web products are compact and ideally shaped inlays for apparel hang tags providing high read reliability with low total applied costs.

Web tags with the NXP UCODE 7 IC, used in retail applications, have passed the Arkansas Radio Compliance (ARC) tests defined by the RFID Research Center at the University of Arkansas. Retailers and brand owners can deploy SMARTRAC's Web tags for apparel globally, as they comply with frequency regulations set up in US (FCC), EU (ETSI) and Asia.

Benefits:

- ▶ High end product for item-level tagging in apparel and electronics.
- ▶ Ideal size and shape for apparel hang tags, compact and reliable.
- ▶ Perfect for low cost hang tags and care labels.
- ▶ Excellent performance even when stacked in close proximity.
- ▶ University of Arkansas approved, ARC categories A, B, D, I, and K.
- ▶ Unique TID and pre-serialized EPC number.
- ▶ Parallel 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

50 x 30 mm (1.97 x 1.18 in)

Die-cut Size

54 x 34 mm (2.13 x 1.34 in)

International Standards

EPC Class 1 Gen 2

ISO 18000-6C

Quality Assurance

100% performance tested

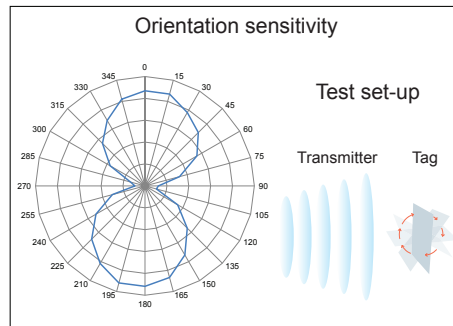
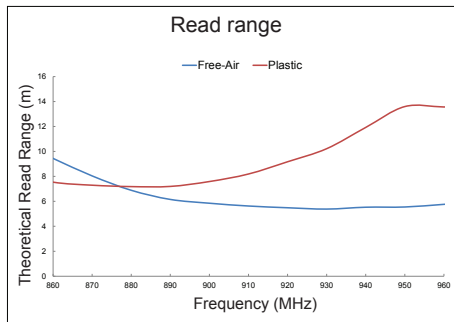
Application Areas

- ▶ Apparel
- ▶ Brand Protection
- ▶ Supply Chain Management

WEB

Technical Features	
IC	NXP UCODE 7
Memory	EPC memory 128 bit
Frequency	860-960 MHz
Antenna Size	50 x 30 mm / 1.97 x 1.18"
Die-cut Size	54 x 34 mm / 2.13 x 1.34"
Web Width	60 mm / 2.36"
Operating Temperature	-40°C to 85°C / -40°F to 185°F
Bending Diameter (D)	> 50 mm, tension max. 10 N
Delivery Formats	Tag
Adhesive	Acrylic, water borne adhesive
Adhesive Usage Temperature	min. -15°C to 90°C / min. 5°F to 194°F
Qty/Reel	2,000 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), JESD22-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

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