

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 inlays with NXP U-Code G2iL IC are approved and certified in the University of Parma's RFID Lab tests, where the Web inlays have proven their excellent performance.

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.
- ▶ ISO 9001:2008 Quality Management System and ISO 14001:2004 Environment Management System support.
- ▶ Unique TID.

Overview

Operating Frequency

860 - 960 MHz

Integrated Circuit (IC)

NXP U-Code G2iL

Antenna Size

30 x 49 mm (1.18 x 1.93 in)

Die-cut Size

34 x 54 mm (1.34 x 2.13 in)

International Standards

EPC Class 1 Gen 2

ISO 18000-6C

Quality Assurance

100% performance tested

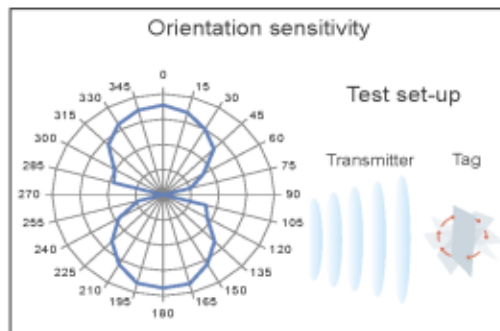
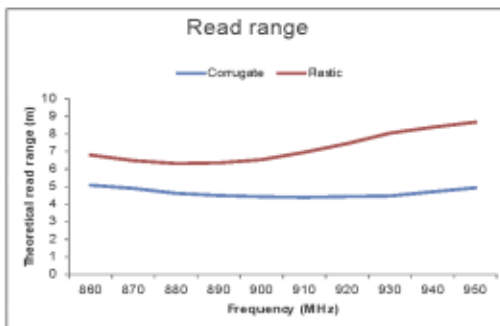
Application Areas

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

WEB

| Technical Features | |
|--|--|
| IC | NXP U-Code G2iL |
| Memory | EPC memory 128 bit |
| Frequency | 860-960 MHz |
| Antenna Size | 30 x 49 mm / 1.18 x 1.93" |
| Die-cut Size | 34 x 54 mm / 1.34 x 2.13" |
| Web Width | 40 mm / 1.58" |
| 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, water borne adhesive |
| Adhesive Usage Temperature | min. -20°C to 80°C / min. -4°F to 176°F |
| Qty/Reel | 5,000 dry inlays per reel, 2,000 wet inlays or 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), 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.



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