

## BLOCK LITE

### Top Performance Tag for Library and Media Management Applications

SMARTRAC BLOCK LITE inlays and tags featuring NXP ICODE SLIX and SLIX2 ICs are designed for library and other media management applications. Block products provide best-in-class read range, optimal size and performance in a compact, square package.

BLOCK LITE with NXP ICODE SLIX provides 896 bits of user memory, while NXP ICODE SLIX2 boasts an extended user memory of 2,528 bits. The tag provides excellent performance in all printed media products and applications, including self-check with stack reading capability, and EAS. BLOCK LITE is delivered in paper-tag format and selected paper is resistant to aging (ISO 9706 compliant). Paper grade together with PH-neutral adhesive make it suitable for archiving applications. It is the ideal product to complement advanced media management systems and offers a lifetime library warranty.

SMARTRAC's inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management. This ensures a reliable and state-of-the-art product that meets a variety of application needs, where high performance is a critical parameter.

#### Overview

##### Operating Frequency

13.56 MHz

##### Integrated Circuit (IC)

NXP ICODE SLIX & SLIX2

##### Antenna & Die-cut Size

47 x 47 mm / 1.85 x 1.85"

50 x 50 mm / 1.97 x 1.97"

##### International Standards

- ▶ ISO 15693
- ▶ ISO 18000-3 Mode 1
- ▶ NFC Forum Type 5

##### Application Areas

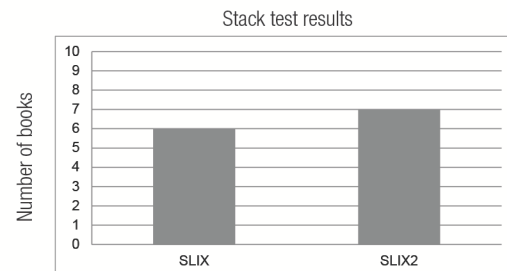
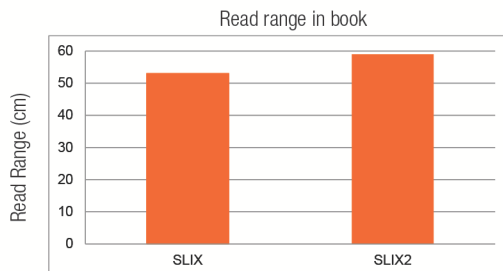
- ▶ Media & Document Management

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| Technical Features           |   |   |                   |
|------------------------------|---|---|-------------------|
| <b>IC + Memory</b>           | <b>Size</b>   | <b>Format</b>                               | <b>Sales Code</b> |
| NXP ICODE SLIX<br>896 bit    | 50 x 50 mm / 1.97 x 1.97 in   | wet   | 3001959           |
|                              | 50 x 50 mm / 1.97 x 1.97 in   | Paper Tag<br>face material: mid-gloss paper | 3002138           |
| NXP ICODE SLIX2<br>2,528 bit | 50 x 50 mm / 1.97 x 1.97 in   | wet   | 3005878           |
|                              |   | Paper Tag<br>face material: mid-gloss paper | 3002987           |
| Operating Temperature        | -40°C to 85°C / -40°F to 185°F  |   |                   |
| Adhesive                     | Acrylic, water borne adhesive; usage temperature: min. -20°C to 80°C / min. -4°F to 176°F |   |                   |
| Shelf Life                   | +20 °C, 50 % RH / 68 °F, 50 % RH - minimum 2 years from the date of manufacturing         |   |                   |

\*Additional product configurations are available upon request.



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.

 **atlasRFIDstore.com**  
1.888.238.1155 • Inside USA  
1.205.383.2244 • Outside USA  
info@atlasRFIDstore.com • www.atlasRFIDstore.com

