



## BAND

### Top Performance Tag for Document Management

SMARTRAC BAND inlays and tags featuring NXP ICODE ILT-M IC are designed to allow close stacking or contact that confuses other inductively coupled HF and LF tags.

BAND tags and inlays with NXP ICode ILT-M ICs have a slim antenna design to fit the margin of documents to not interfere with document contents. The tags provide an excellent performance in document and item identification where close stacking occurs, which is a challenging environment for other passive RFID protocols. Moreover BAND tags and inlays also work well in RFID applications where very fast inventory of multiple RFID tags in the field occurs. In these cases, BAND tags offer performance approaching UHF EPC Class 1 Gen 2. Overall RFID inlays and tags using ILT ICs are cost-efficiently than any other RFID inlays designed for close stacking.

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 ILT-M

**Antenna & Die-cut Size**  
23 × 70 mm / 0.91 × 2.76 "  
25 × 72 mm / 0.98 × 2.84 "

#### International Standards

▶ ISO 18000-3 Mode 3

#### Application Areas

- ▶ Media & Document Management
- ▶ Healthcare
- ▶ Electronics & Gaming

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Technical Features*			
IC + Memory	Size	Format	Sales Code
NXP ICODE ILT-M	23 × 70 mm / 0.91 × 2.76 in	dry	3003031
512 bit	25 × 72 mm / 0.98 × 2.84 in	wet	3002993
Operating Temperature	-40°C to 85°C / -40°F to 185°F		
Bending Diameter (D)	> 50 mm, tension max. 10 N		
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 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](http://www.smartrac-group.com/contact)



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