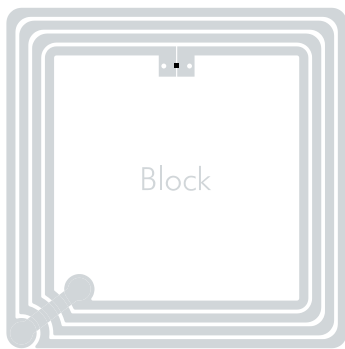


## BLOCK

Top-performance tag for library and media management applications.



Block tags and inlays with ISO 18000-3 Mode 3 compliant ICs can be tuned to allow close stacking or contact that confuses other inductively coupled HF and LF tags. The identification rate can be up to 800 tags in one second in a single reader's field of view.

Block tags and inlays with NXP ICode ILT-M ICs offer two key benefits. Firstly, they have excellent performance in document and item identification where close stacking occurs, which is challenging environment for other passive protocols. Secondly, Block tags and inlays also work well in applications where very fast inventory of multiple tags in the field occurs. In these cases, Block tags offer performance approaching UHF EPC Class 1 Gen 2.

### Benefits:

- ▶ Best performance for dense label populations.
- ▶ Reliable identification and high anti-collision rates.
- ▶ EAS capability.
- ▶ Privacy feature with 32-bit kill password.
- ▶ 32-bit password to transition into the secured state.
- ▶ Unique TID.
- ▶ ISO 18000-3 Mode 3 compliance.
- ▶ ISO 9001:2008 Quality Management System and ISO 14001:2004 Environment Management System support.

### Overview

#### Operating Frequency

13.56 MHz

#### Integrated Circuit (IC)

NXP ICode ILT-M

#### Antenna Size

45 x 45 mm (1.77 x 1.77 in)

#### Die-cut Size

48 x 48 mm (1.89 x 1.89 in)

#### International Standards

ISO 18000-3 Mode 3

#### Quality Assurance

100% performance tested

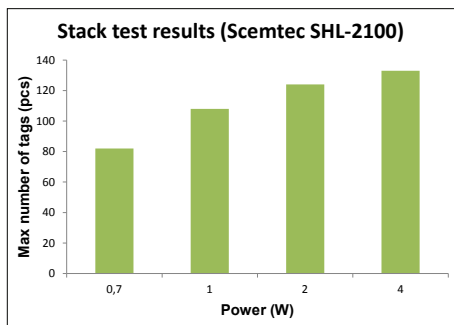
### Application Areas

- ▶ Library and Media Management
- ▶ Document Tracking
- ▶ Pharma and Healthcare
- ▶ Gaming

## BLOCK

Technical Features	
IC	NXP ICode ILT-M
Memory	EPC memory 240 bit / user memory 512 bit
Frequency	13.56 MHz
Antenna Size	45 x 45 mm / 1.77 x 1.77"
Die-cut Size	48 x 48 mm / 1.89 x 1.89"
Web Width	54 mm / 2.13"
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
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 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.



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