



SYNOtag™ | Passive RFID Laundry and Linen Management Tags

Waterproof 125 KHz and 13.56 MHz Passive RFID tags for laundry and linen management. Made of nylon and polyester with varying operating temperature ranges (hot water temperature and immersion time dependent). Up to 50 tags per second can be detected with average read range of 6-12 cm. Tags can be used in other non-laundry applications where a sewn, pinned or tied on button type affixing method is required.

Rating: IP 68 (condition: water pressure 45bar, 10h)

<u>Tag Type</u>	<u>Material</u>	<u>Dimensions</u>	<u>Hole</u>	<u>Thickness</u>	<u>Available IC's</u>
SMLD 16	Nylon + Poly	Ø16±0.2mmx3±0.2m	Ø1.5x2 mm	3 mm	I-Code Sli, Mifare 1, T5557
SMLD 20	Nylon + Poly	Ø20±0.2mmx3±0.2m	Ø2x2 mm	3 mm	I-Code Sli, Mifare 1, T5557
SMLD 22	Nylon + Poly	Ø22±0.2mmx3±0.2m	Ø2x2 mm	3 mm	I-Code Sli, Mifare 1, T5557
SMLD 25	Nylon + Poly	Ø25±0.2mmx3±0.2m	Ø3x2 mm	3.2 mm	I-Code Sli, EM4102, T5557, Mifare 1
SMLD 201/02	Nylon + Poly	Ø20±0.2mmx3±0.2m	No Hole	3.2 mm	I-Code Sli, EM4102, T5557, Mifare 1

SMLD-XX Specifications

- ▶ Supported Standard: ISO 15693-2,-3
- ▶ Operating frequency (at +25°C): 13.56MHz±250kHz
- ▶ Typical required activation field strength to read at +25°C: 112 dBµA/m
- ▶ Typical required activation field strength to write at +25°C: 115 dBµA/m
- ▶ Factory programmed Read Only Number: 64 bits

- ▶ Memory (user programmable): 2k bits organized in 64 x 32-bit blocks
- ▶ Typical programming cycles at +25°C: 100,000
- ▶ Data retention time at +55°C: > 10 years
- ▶ Simultaneous Identification of Tags: Up to 50 tags per second
- ▶ Storage temp: -25°C to 90°C
- ▶ Operating temp: -25°C to 120°C | +150°C total 50 Hrs | +200°C total 20 Sec



Product Warranty: SYNOMETRIX offers a standard 1-year repair or replace warranty from date of shipping on all products found to have a defect that results from manufacturing.

SMLD-XX RFID Laundry Tags

SYNOtag™ | RFID



For further information please email us at info@synometrix.com

John Hannon ■ Managing Director ■ synometrix.com

IDD: +886 2 2758 1279 or +852 8197 4479

Skype: synometrix-john_hannon