



SYNOTag | **Active**™

SMESL-100/1 Active RFID Seal and Lock

Active RFID seal and lock for cargo and shipping containers, trucking security or applications where a standard seal or lock is used for cargo or facility security. IP67 ABS housing is suited for harsh environments and tags can be used repeatedly for up to 6-8 years.

Specifications

Electronic

- ▶ Modulation: Uplink/Downlink GFSK
- ▶ Communication Rate: Uplink/Downlink 1000kbit/s
- ▶ Frequency: 2.4 - 2.4835 GHz
- ▶ RF power output: 0dBm
- ▶ Sensitivity: -80~ -90dBm
- ▶ Bit Error Rate: 10 -6
- ▶ EMI: 10V/m 0.1~1000 MHz AM electromagnetic wave
- ▶ Tag transmits signal to reader every 300ms - 500 ms

Environmental

- ▶ Temperature: -40 to 80C (Operating) -60 to 85C (Storage)
- ▶ Humidity: 100% Non-condensing
- ▶ Vibration & Shock: 10~2000 Hz 15g 3 axial
- ▶ Anti-electromagnetism: 10V/m 0.1~1000 MHz
- ▶ Battery Life: 3.0V lithium cell 6-8 years (10 years optional)
- ▶ Free Drop: 1M Concrete floor, twice per side
- ▶ Dimensions: 78.8 x 67 x 23 mm
- ▶ Weight: 110 gram



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.

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Visit us at www.synometrix.com or email us at info@synometrix.com

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