



SYNOTag | **Active**™

SMPK-106 Read Write 2.4 GHz Active RFID Tag

2.4 GHz active RFID read write tag with LED and emergency button. Read range of up to 50 meters. Suited to RFID applications where people must be tracked and monitored for safety such as on work sites or in health care and elderly home facilities.

Specifications

Electronic

- Modulation: Uplink/Downlink GFSK
- Communication Rate: Uplink/Downlink 1000kbit/s
- Frequency: 2.4 - 2.4835 GHz
- RF power output: -20dBm ~ -5dBm
- Sensitivity: -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: -30 to 70C (Operating) -40 to 80C (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: 42mm x 70mm x 5.5mm
- Water resistant (not waterproof)



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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