



ABS-01



ABS-02



ABS-03



ABS-06



ABS-08



ABS-08(w/o slot)

## NXP® MIFARE Ultralight® EV1 HF ABS RFID Key-Fob



|                |                                                                                                              |
|----------------|--------------------------------------------------------------------------------------------------------------|
| SKU:           | RS-UTL EV1-ABS                                                                                               |
| Chip Type:     | NXP® MIFARE Ultralight® EV1                                                                                  |
| Frequency:     | HF 13.56 MHz                                                                                                 |
| EEPROM Memory: | 640/1312 bits                                                                                                |
| User Memory:   | 384/1024 bits                                                                                                |
| Protocol:      | ISO/IEC 14443-A,<br>NFC Forum Type 2                                                                         |
| Compliance:    | WEEE Directive                                                                                               |
| Industry:      | Hospitality, Educational Institutions,<br>Transportation, Industrial, Hospitals,<br>Government, Events       |
| Applications:  | Access Control, Attendance Tracking,<br>Activity Tracking, Loyalty Programs,<br>Event ticketing, Car parking |

The NXP® MIFARE Ultralight® EV1 HF ABS RFID Key-Fob is a lightweight, high-frequency contactless tag built with the MIFARE Ultralight® EV1 chip and encased in durable ABS plastic. Operating at 13.56 MHz and compliant with ISO/IEC 14443 Type A, it offers fast communication and reliable performance for a variety of low-cost, high-volume NFC applications. It provides 384 bits or 1024 bits of user memory (depending on version), anti-cloning support, and an originality signature to ensure authenticity and enhanced security.

This key fob is ideal for short-duration use cases such as event ticketing, public transport, visitor passes, and loyalty programs. Its compact design and keychain-ready form make it convenient for daily carry, while its robust construction ensures long-lasting use in demanding environments. The MIFARE Ultralight® EV1 enhances system integrity and user experience with extended NDEF support and improved read range capabilities.

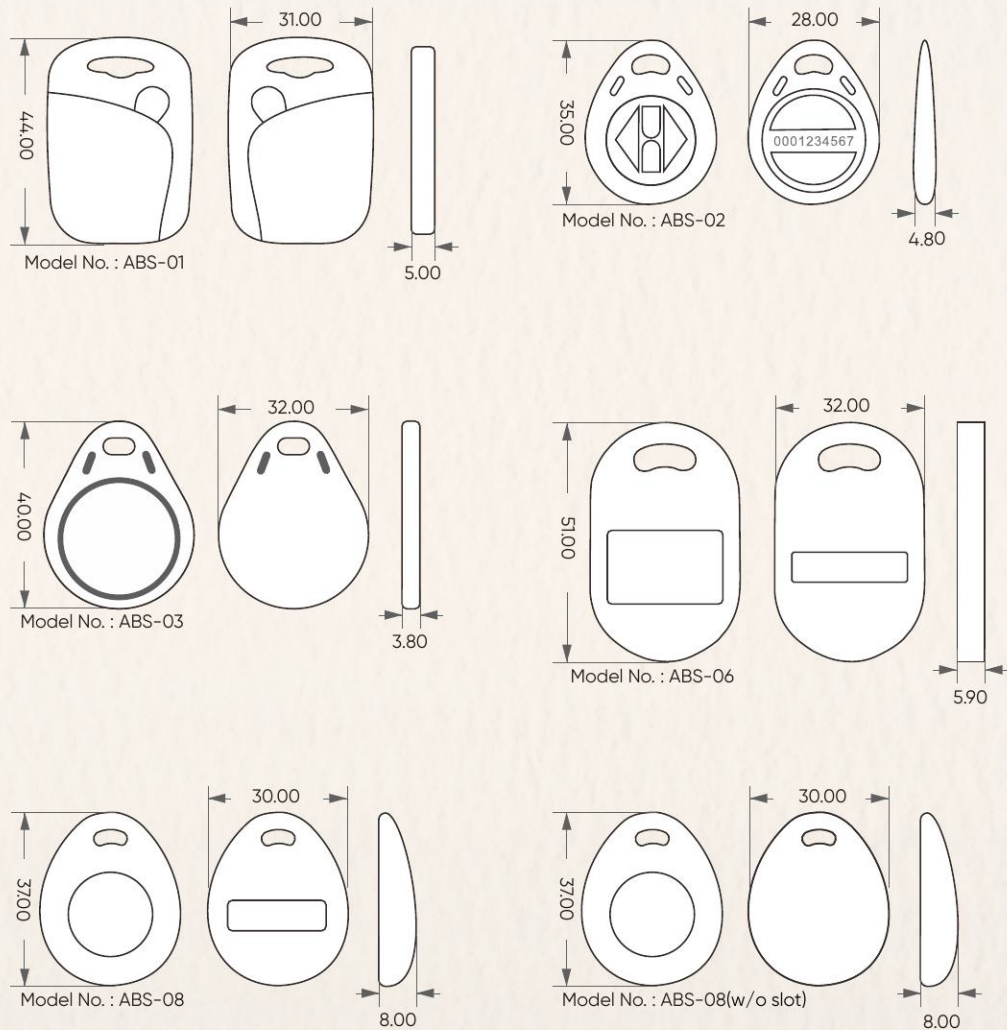
|                      |                       |                |
|----------------------|-----------------------|----------------|
| Physical Information | Material              | ABS            |
|                      | Compliance            | WEEE Directive |
|                      | Characteristics       | Waterproof     |
|                      | Operating Environment | -20°C~+80°C    |
|                      | Storage Environment   | +18°C~+28°C    |

|                       |                     |                                                                                                                          |
|-----------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------|
| Technical Information | Operating Frequency | 13.56 MHz                                                                                                                |
|                       | Protocol            | ISO/IEC 14443-A, NFC Forum Type 2                                                                                        |
|                       | Chip Type           | NXP® MIFARE Ultralight® EV1                                                                                              |
|                       | EEPROM Memory       | 640/1312 bits                                                                                                            |
|                       | User Memory         | 384/1024 bits                                                                                                            |
|                       | Read Range          | Up to 10 cm                                                                                                              |
|                       | Security Features   | 32-bit password+ password acknowledge access protection<br>Anti-collision support<br>ECC supported NXP originality check |

|                       |                  |                  |
|-----------------------|------------------|------------------|
| Packaging Information | Packing Format   | Packed in carton |
|                       | Carton Dimension | 49×24×20 cm      |

| Specification | ABS-01                                                                                                                                         | ABS-02                                                                                                                                         | ABS-03                                                                                                                                                                                                  | ABS-06                                                        | ABS-08                                                                                                                                                                | ABS-08(w/o slot)                                                                                                                                                      |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Size          | 44×31×5 mm                                                                                                                                     | 35×28×4.8 mm                                                                                                                                   | 40×32×3.8 mm                                                                                                                                                                                            | 51×32×5.9 mm                                                  | 37×30×8 mm                                                                                                                                                            | 37×30×8 mm                                                                                                                                                            |
| Color         | <div> <div>Red</div> <div>Yellow</div> <div>Blue</div> <div>Black</div> </div> <div> <div>Grey</div> <div>Green</div> <div>Orange</div> </div> | <div> <div>Red</div> <div>Yellow</div> <div>Blue</div> <div>Black</div> </div> <div> <div>Grey</div> <div>Green</div> <div>Orange</div> </div> | <div> <div>Red</div> <div>Yellow</div> <div>Blue</div> <div>Black</div> <div>White</div> </div> <div> <div>Grey</div> <div>Green</div> <div>Orange</div> <div>Brown</div> <div>Light Green</div> </div> | <div> <div>Red</div> <div>Yellow</div> <div>Blue</div> </div> | <div> <div>Red</div> <div>Yellow</div> <div>Blue</div> <div>Black</div> </div> <div> <div>Grey</div> <div>Green</div> <div>Orange</div> <div>Light Green</div> </div> | <div> <div>Red</div> <div>Yellow</div> <div>Blue</div> <div>Black</div> </div> <div> <div>Grey</div> <div>Green</div> <div>Orange</div> <div>Light Green</div> </div> |
| Weight        | 5 g                                                                                                                                            | 4 g                                                                                                                                            | 4 g                                                                                                                                                                                                     | 5.5 g                                                         | 5 g                                                                                                                                                                   | 5 g                                                                                                                                                                   |
| Quantity      | 50 pieces/bag,<br>1500 pieces/carton                                                                                                           | 100 pieces/bag,<br>2500 pieces/carton                                                                                                          | 100 pieces/bag,<br>2500 pieces/carton                                                                                                                                                                   | 50 pieces/bag,<br>1500 pieces/carton                          | 50 pieces/bag,<br>2000 pieces/carton                                                                                                                                  | 50 pieces/bag,<br>2000 pieces/carton                                                                                                                                  |
| Weight        | N.W. 7.5 kg/carton,<br>G.W. 8.5 kg/carton                                                                                                      | N.W. 10 kg/carton,<br>G.W. 11 kg/carton                                                                                                        | N.W. 10 kg/carton,<br>G.W. 11 kg/carton                                                                                                                                                                 | N.W. 8.25 kg/carton,<br>G.W. 9 kg/carton                      | N.W. 10 kg/carton,<br>G.W. 11 kg/carton                                                                                                                               | N.W. 10 kg/carton,<br>G.W. 11 kg/carton                                                                                                                               |

**Label Dimensions**  
(Unit: mm)



● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment.
 ● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage.
 ● **Product Updates and Revisions:** [rfidbridge.com](https://www.rfidbridge.com) may change products, specs, or services at any time without prior notice.
 ● **General Use Disclaimer:** Products are for general-purpose use and not intended for safety-critical or life-support applications.
 ● **Legal Notice:** Information is believed accurate but may change [rfidbridge.com](https://www.rfidbridge.com) is not liable for use-related issues or outcomes.