



## NXP MIFARE Ultralight® EV1 HF RFID Wet Inlay



|                 |                                                                                   |
|-----------------|-----------------------------------------------------------------------------------|
| SKU:            | RS-UTL-PETWI-D40                                                                  |
| Chip Type:      | NXP MIFARE Ultralight® EV1                                                        |
| Frequency Band: | HF 13.56 MHz                                                                      |
| User Memory:    | 384   1024 bits                                                                   |
| Protocol:       | ISO/IEC 14443-A                                                                   |
| Industry:       | Retail, Events, Stadiums,<br>Exhibitions, Leisure parks,<br>Public transportation |
| Applications:   | Event Ticketing, Access Control,<br>Loyalty                                       |



The NXP MIFARE Ultralight® EV1 HF RFID Wet Inlay is a high-quality, cost-effective HF RFID tag designed for mass-market applications requiring fast, secure, and short-range identification. Powered by NXP's advanced MIFARE Ultralight® EV1 chip, this 13.56 MHz NFC-compatible inlay offers enhanced memory structure, improved anti-counterfeit features, and superior reliability for single-use or limited-duration applications.

With a generous 34mm diameter antenna and strong adhesive backing, the wet inlay ensures stable performance and easy integration into paper tickets, wristbands, event passes, packaging, and other non-metal surfaces.

|                      |                       |                                                                                                                       |
|----------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------|
| Physical Information | Material              | PET                                                                                                                   |
|                      | Inlay Size            | Ø40 mm                                                                                                                |
|                      | Antenna Size          | Ø34 mm                                                                                                                |
|                      | Operating Environment | -40°C~+70°C, 20%~90% RH                                                                                               |
|                      | Storage Environment   | +18°C~+28°C, 40%~60% RH                                                                                               |
|                      | Mounting Method       | Stick                                                                                                                 |
|                      | Surface               | Paper carton, plastic, wood                                                                                           |
|                      | Handling Precautions  | 1. Do not bend.<br>2. Keep away from water and collision.<br>3. Inlays with black-dot marks are bad ones, do not use. |

|                       |                     |                                                                                                                                                                                   |
|-----------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Technical Information | Operating Frequency | HF 13.56 MHz                                                                                                                                                                      |
|                       | Protocol            | ISO/IEC 14443-A                                                                                                                                                                   |
|                       | Chip Type           | NXP MIFARE Ultralight® EV1                                                                                                                                                        |
|                       | User Memory         | 384   1024 bits                                                                                                                                                                   |
|                       | Read Range          | Up to 100 mm                                                                                                                                                                      |
|                       | Security Features   | Anti-tearing support for counters, OTP area, and lock bits<br>Configurable password protection with an optional limit of unsuccessful attempts<br>ECC-based originality signature |
|                       |                     |                                                                                                                                                                                   |

|                       |                  |                                             |
|-----------------------|------------------|---------------------------------------------|
| Packaging Information | Packing Format   | Packed in roll, vacuumed packing in ESD bag |
|                       | Roll OD          | Max. 172 mm                                 |
|                       | Core ID          | 3 inch (76.2 ± 0.50 mm)                     |
|                       | Packing Quantity | 2500 Pcs/roll, per roll 1.41 kg             |
|                       |                  |                                             |

