

## UHF Dry inlay

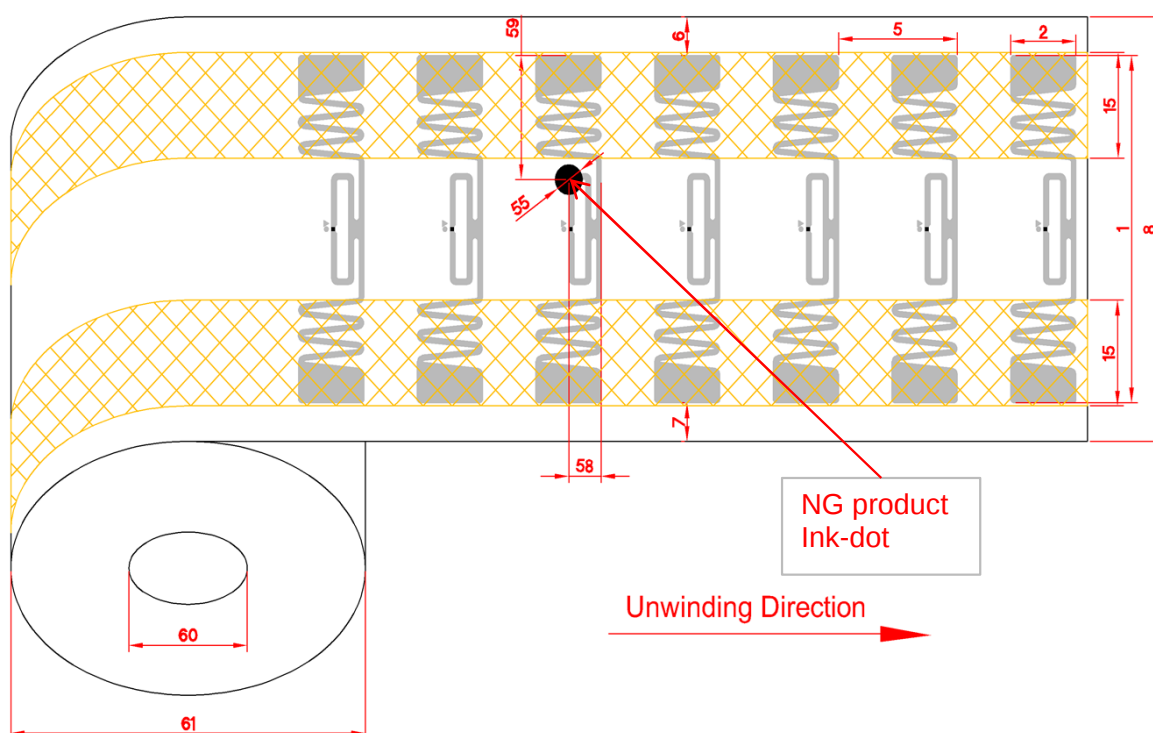
(Item : AN068014E1U-H6)

### 1. Performance Specifications

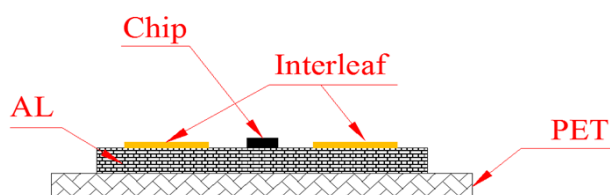
|                     |                                                                  |                            |
|---------------------|------------------------------------------------------------------|----------------------------|
| RFID Chip           | Impinj/Monza R6                                                  |                            |
| Protocol            | ISO/IEC 18000-6C, EPCglobal Class 1 Gen 2                        |                            |
| Operating Frequency | 860~960MHz                                                       |                            |
| Operating Mode      | Passive(Battery free)                                            |                            |
| Memory              | 48bit TID, Up to 96 bit EPC, 0 bit User Memory                   | 32Bits Access, 32Bits Kill |
| IC Life             | 100,000 Programming cycles, 10 years data retention              |                            |
| Read distance       | Average reading distance > 6m (Reader and Environment Dependent) |                            |

### 2. Mechanical Dimensions

| NO. | Item                           | Parameter(mm)                               | Tolerance | Parameter(in.) |
|-----|--------------------------------|---------------------------------------------|-----------|----------------|
| 1   | Antenna Width                  | 68.00 mm                                    | ± 0.20 mm | 2.677 in       |
| 2   | Antenna Length                 | 14.00 mm                                    | ± 0.20 mm | 0.551 in       |
| 5   | Antenna Pitch                  | 25.40 mm                                    | ± 0.50 mm | 1.000 in       |
| 6   | Antenna to PET (Top)           | 7.50 mm                                     | ± 1.00 mm | 0.295 in       |
| 7   | Antenna to PET (Bottom)        | 7.50 mm                                     | ± 1.00 mm | 0.295 in       |
| 8   | PET Width                      | 83.00 mm                                    | ± 1.00 mm | 3.268 in       |
| 15  | Interleaf Width                | 25.00 mm                                    | ± 1.00 mm | 0.984 in       |
| 55  | Ink-dot Size                   | 6.00 mm                                     | ± 2.00 mm | 0.236 in       |
| 58  | Ink-dot to Product Edge(Right) | 7.00 mm                                     | ± 2.00 mm | 0.276 in       |
| 59  | Ink-dot to Product Edge(Top)   | 24.00 mm                                    | ± 2.00 mm | 0.945 in       |
| 60  | Core inner diameter            | 153.42 mm                                   | ± 1.00 mm | 6.040 in       |
| 61  | Reel Outer diameter            | ≤295(Based on the actual shipment quantity) |           |                |



### 3. Dry inlay Structure



|             |                              |                                    |
|-------------|------------------------------|------------------------------------|
| Chip        | Silicon                      | $110\mu\text{m} \pm 10\mu\text{m}$ |
| Antenna AL  | Aluminum etching             | $10\mu\text{m} \pm 3\mu\text{m}$   |
| Antenna PET | Transparent PET              | $50\mu\text{m} \pm 3\mu\text{m}$   |
| Interleaf   | Kraft (Chip protected paper) | $50 \sim 60\mu\text{m}$            |

### 4. Environment Requirement

|                                |                                                                                         |  |
|--------------------------------|-----------------------------------------------------------------------------------------|--|
| Operating Temperature/Humidity | $-0 \sim 60^{\circ}\text{C}$ / $20\% \sim 80\% \text{ RH}$                              |  |
| Storage Temperature/Humidity   | $20 \sim 30^{\circ}\text{C}$ / $20\% \sim 60\% \text{ RH}$                              |  |
| Shelf Life                     | 1 year in anti-static bag at $20 \sim 30^{\circ}\text{C}$ / $20\% \sim 60\% \text{ RH}$ |  |
| ESD Voltage Immunity           | 2 kV (HBM)                                                                              |  |
| Bending Diameter               | $> 50\text{mm}$                                                                         |  |

### 5. Delivery Details

|                  |                                          |                                       |
|------------------|------------------------------------------|---------------------------------------|
| Appearance       | Single row reel form                     |                                       |
| Quantity         | $12500 \pm 300$ pcs/Roll; 1 Rolls/Carton | Based on the actual shipment quantity |
| Weight           | To be determined                         |                                       |
| Final inspection | 100 %, known faulty ones marked          |                                       |
| Delivery yield   | $\geq 99\%$                              |                                       |

Packaging  
Photograph



**AllGood-Group reserves the right for modifying the specification data without notice in advance!**