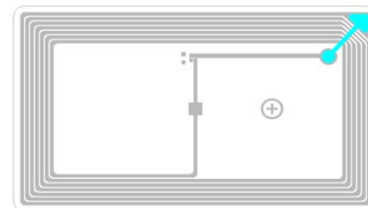


## HF Adhesive Label

(Item : AL049081C1H)

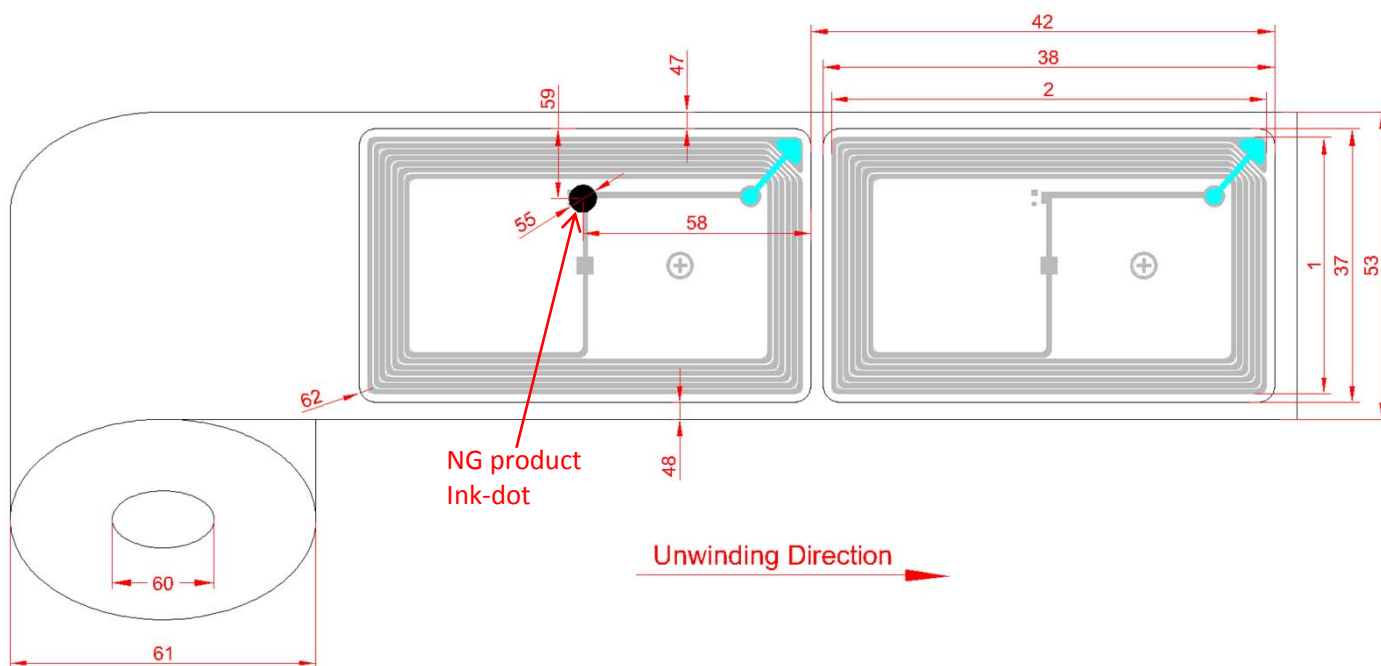
### 1. Performance Specifications

|                     |                                                            |
|---------------------|------------------------------------------------------------|
| RFID Chip           | NXP ICODE SLIX                                             |
| Protocol            | ISO/IEC 15693, ISO/IEC 18000-3 Mode 1                      |
| Operating Frequency | 13.56 MHz                                                  |
| Operating Mode      | Passive(Battery free)                                      |
| Memory              | Total of 1024 bits, organized in 32 blocks of 4 bytes each |
| IC Life             | 100,000 Programming cycles, 10 years data retention        |

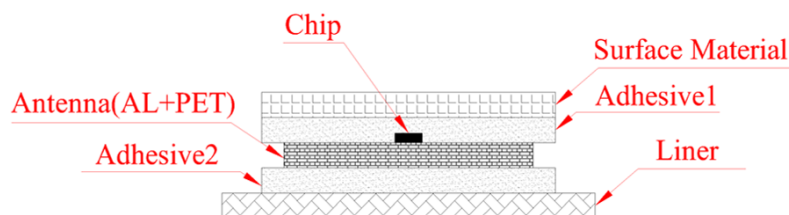


### 2. Mechanical Dimensions

| NO. | Item                              | Parameter(mm) | Tolerance | Parameter(in.) |
|-----|-----------------------------------|---------------|-----------|----------------|
| 1   | Antenna Width                     | 46.00 mm      | ± 0.20 mm | 1.811 in.      |
| 2   | Antenna Length                    | 78.00 mm      | ± 0.20 mm | 3.071 in.      |
| 37  | Label Width                       | 49.00 mm      | ± 0.50 mm | 1.929 in.      |
| 38  | Label Length                      | 81.00 mm      | ± 0.50 mm | 3.189 in.      |
| 42  | Label Pitch                       | 83.19 mm      | ± 2.00 mm | 3.275 in.      |
| 47  | Label Edge to Liner Edge (Top)    | 3.00 mm       | ± 2.00 mm | 0.118 in.      |
| 48  | Label Edge to Liner Edge (Bottom) | 3.00 mm       | ± 2.00 mm | 0.118 in.      |
| 53  | Liner Width                       | 55.00 mm      | ± 1.00 mm | 2.165 in.      |
| 55  | Ink-dot Size                      | 5.00 mm       | ± 2.00 mm | 0.197 in.      |
| 58  | Ink-dot to Product Edge(Right)    | 41.00 mm      | ± 2.00 mm | 1.614 in.      |
| 59  | Ink-dot to Product Edge(Top)      | 12.50 mm      | ± 2.00 mm | 0.492 in.      |
| 60  | Core inner diameter               | 76.20 mm      | ± 1.00 mm | 3.000 in.      |
| 61  | Reel Outer diameter               | ≤ 203.00mm    |           | ≤ 7.99 in.     |
| 62  | Label Corner Radius               | 2.00 mm       | ± 0.20 mm | 0.079 in.      |



### 3. Label Structure



|            |                      |                                                       |
|------------|----------------------|-------------------------------------------------------|
| Cover Tape | White art paper      | 80g/m <sup>2</sup> , 72μm ± 5μm                       |
| Adhesive 1 | Acrylic emulsion     | 22μm ± 5μm                                            |
| Antenna    | Aluminum etching     | AL Coil + PET + AL Bridge (30μm + 38μm + 10μm, ± 3μm) |
| Adhesive 2 | Acrylic emulsion     | 25μm ± 5μm                                            |
| Liner      | White glassine paper | 80g/m <sup>2</sup> , 70μm±5μm                         |

### 4. Environment Requirement

|                                |                                                   |  |
|--------------------------------|---------------------------------------------------|--|
| Operating Temperature/Humidity | -20~70℃ / 20%~80% RH                              |  |
| Storage Temperature/Humidity   | 20~30℃ / 20%~60% RH                               |  |
| Shelf Life                     | 1 year in anti-static bag at 20~30℃ / 20% ~60% RH |  |
| ESD Voltage Immunity           | 2 kV (HBM)                                        |  |
| Bending Diameter               | > 50mm                                            |  |

### 5. Delivery Details

|                  |                                         |                                       |
|------------------|-----------------------------------------|---------------------------------------|
| Appearance       | Single row reel form                    |                                       |
| Quantity         | 1000 pcs/Roll; 8 Rolls (8 k pcs)/Carton |                                       |
| Weight           | 1.5 kg/Roll; 13.5 kg/Carton             | Based on the actual shipment quantity |
| Final inspection | 100 %, known faulty ones marked         |                                       |
| Delivery yield   | ≥ 99%                                   |                                       |

Packaging  
Photograph



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