

|                                   |                          |
|-----------------------------------|--------------------------|
| Part NO. <b>SS-RUI12050P1203N</b> | Type <b>RFID Antenna</b> |
|-----------------------------------|--------------------------|

### Electrical Characteristics

#### Antenna

|   |                     |                         |
|---|---------------------|-------------------------|
| 1 | Antenna model       | 120*120*5mm             |
| 2 | Frequency Range     | 902MHz~928MHz           |
| 3 | V.S.W.R             | 2.0 max                 |
| 4 | Band With@RL=-10dB  | ≥40MHz                  |
| 5 | Gain@Zenith         | 6.0dBi@120*120mm Ground |
| 6 | Impedance           | 50 Ω                    |
| 7 | Polarization        | RHCP                    |
| 8 | Axial Ratio@Zenith  | <3dB                    |
| 9 | 3dB Power Beamwidth | 95±10°                  |

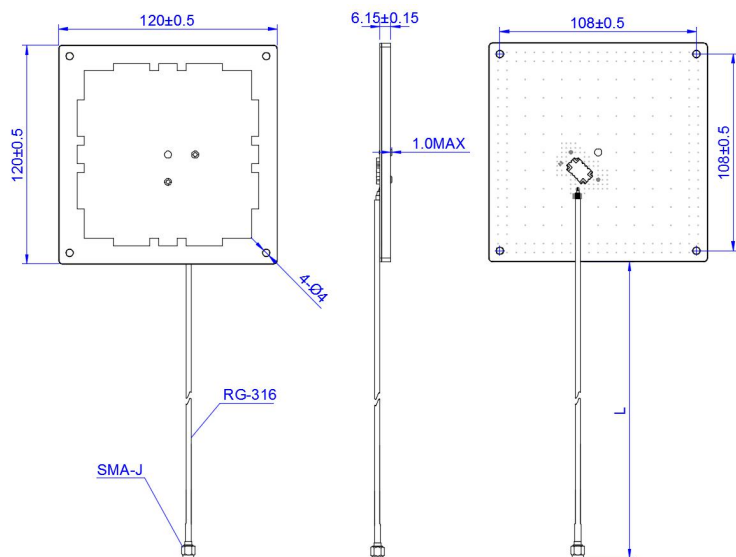
#### Material

| No | Part Name | Spec               |
|----|-----------|--------------------|
| 1  | Antenna   | Composite Material |
| 2  | Ground    | 1.0mm, FR-4        |
| 3  | Cable     | L=150mm, RG-316    |
| 4  | Connector | SMA-J (Male)       |

#### Environment Condition

|   |              |                       |
|---|--------------|-----------------------|
| 1 | Working Temp | -40℃~+80℃, 10%~95% RH |
| 2 | Storage Temp | -45℃~+85℃, 10%~95% RH |

#### Dimensions



#### Return Loss & Impedance

