

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Part NO. <b>SS-GPI2540P255N</b> | Type GPS Built-in Passive Antenna |
|---------------------------------|-----------------------------------|

### Electrical Characteristics

#### Antenna

|   |                    |                           |
|---|--------------------|---------------------------|
| 1 | Antenna model      | 25*25*4mm                 |
| 2 | Frequency Range    | 1575.42MHz $\pm$ 1.023MHz |
| 3 | V.S.W.R            | 2.0 max                   |
| 4 | Band With@RL=-10dB | $\geq$ 8MHz               |
| 5 | Gain@Zenith        | 1.9dBi@25*25mm Ground     |
| 6 | Impedance          | 50 $\Omega$               |
| 7 | Polarization       | RHCP                      |
| 8 | Axial Ratio@Zenith | <3dB                      |

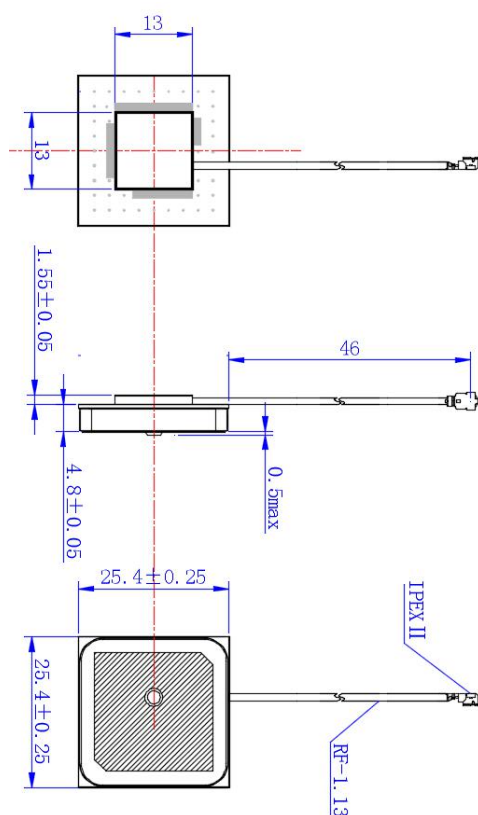
#### Material

|    |           |                     |
|----|-----------|---------------------|
| No | Part Name | Spec                |
| 1  | Antenna   | Dielectric Ceramics |
| 2  | Ground    | 0.6mm, FR-4         |
| 3  | Cable     | L=59mm RF-1.13      |
| 4  | Connector | I-PEX II            |

#### Environment Condition

|   |              |                                                             |
|---|--------------|-------------------------------------------------------------|
| 1 | Working Temp | -40 $^{\circ}$ C $\sim$ +85 $^{\circ}$ C, 10% $\sim$ 95% RH |
| 2 | Storage Temp | -45 $^{\circ}$ C $\sim$ +90 $^{\circ}$ C, 10% $\sim$ 95% RH |

#### Dimensions



#### Return Loss & Impedance

