

# GPS Antenna

## GPS 6558 Patch antenna



### Specifications Sheet V0.1

Features : 28dB / 18x18x2mm

## 1.0 General Description:

GPS 6558 is the integration of the high performance GPS patch antenna and a power-saving low noise amplifier module into a low profile and with SAW filter. When connected to a GPS receiver or others device with +2.5 to +4.5 Vcc voltage power, it can provide excellent signal amplification and rejection for that receiver.

## 2.0 Features

- High Gain and low noise.
- Small type and no radome type are available.
- Low current consumption.
- Variable cable length and connectors are available.
- Various accessories (chip, ground plane, etc.) are available.

## 3.0 Applications

- Automobile.
- Recreational.
- Marine.
- Handheld system.

## 4.0 CONFIGURATION

4.1	RF Cable Type	Mini Coaxial 0.81/1.13/1.32 mm
4.2	Cable Length	For Customer
4.3	RF Connector	I-PEX, HRS, Murata, others

## 5.0 Patch Antenna Specifications

5.1	Frequency Rang	1575.42±1.023 MHz.
5.2	GAIN	Typical + 3 dBi Mounted on Standard Ground Plane
5.3	Polarization	RHCP
5.4	Axial Ratio	Typical > 3.0 dBi Mounted on Standard Ground Plane

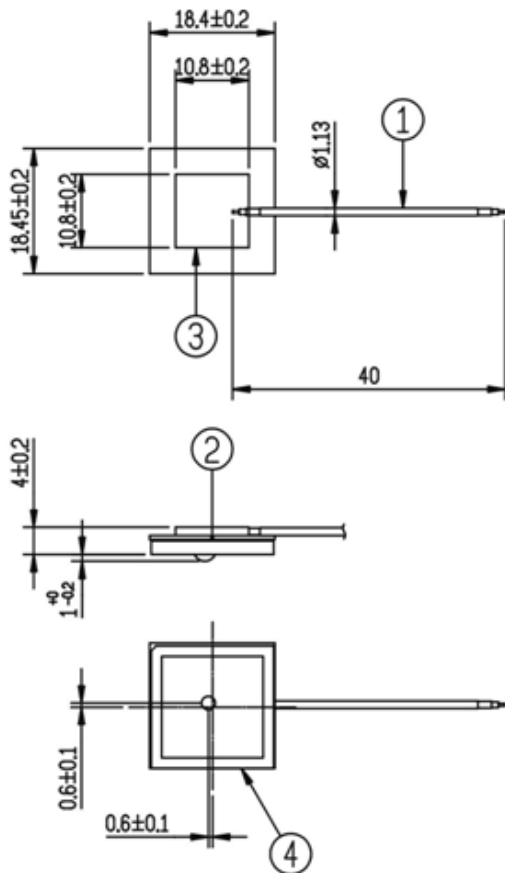
### 6.0 LNA

6.1	Frequency Rang	1575.42±1.023 MHz.
6.2	GAIN	28 ± 1.5dB typi
6.3	Noise Figure	1.5 dB typi
6.4	Output Impedance	50Ω
6.5	Output VSWR	2.0 Max

### 7.0 TOTAL SPECIFICATIONS

7.1	Frequency Rang	1575.42±3 MHz.
7.2	GAIN	28 ± 1.5dB typi
7.3	Noise Figure	1.5 dB typi
7.4	Output VSWR	2.0 Max
7.5	Output Impedance	50Ω
7.6	Voltage	3.3V / 5V
7.7	Current	9.6mA Typ

### 8.0 OUTLINE



件號	品名	規格
1	線材	
2	PCB板	
3	隔離罩	10.8X10.8
4	Patch	18X18X2