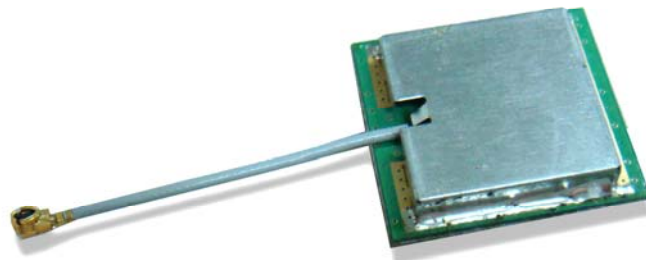


# GPM Antenna GPS 6500



## Specifications Sheet

**Features :**

**Patch LNA I-PEX(F) 4cm**

## 1.0 SYSTEM:

This antenna system consists of two functional blocks, the LNA portion and the patch antenna.

## 2.0 GENERAL

### 2.1 ENVIRONMENTAL CONDITIONS

2.1.1	Operation Temperature	-20°C to + 65°C
2.1.2	Storage Temperature	-30°C to + 75°C
2.1.3	Relative Humidity	40% to 95%

### 2.2 ELECTRICAL SPECIFICATIONS

2.2.1	Input Voltage	Min: 2.7 V	Typ: 3.0V Max:3.3V
2.2.2	Curent Consumption	At 3.0V	Typ: 12mA Max:15A

### 2.3 CABLE & CONNECTOR

2.3.1	RF Cable	RF Coaxial Cable, $\psi 1.13 \pm 0.1\text{mm}$ L=40+/- 1.5mm
2.3.2	RF Connector	I-PEX (F)

## 3.0 ANTENNA

3.1	Frequency Rang	1575.42±1.023 MHz.
3.2	GAIN	+1.0 dBi Typ. @ zenith(23.8mm*22.2mm Grand)
3.3	Polaration	RHCP
3.5	Axialration	Max 4.0 dB@ zenith

### 4.0 LNA

4.1	Frequency Rang	1575.42±1.023 MHz.
4.2	GAIN	24 dB Min. 25dB Typ. (+25°C to ± 5°C)
4.3	Noise Figure	1.4 dB Typ. (+25°C to ± 5°C)
		1.8 dB Max. (+85°C)
4.4	Output Impedance	50Ω
4.5	Output VSWR	2.0 Max
4.6	Amplifier MMIC	NEC μPC8215TU

### 5.0 TOTAL SPECIFICATIONS

(Through Antenna, LNA, Cable and Connector)

5.1	Frequency Rang	1575.42±1.023 MHz.
5.2	GAIN	At 90° 26 ±4dBi
5.3	Output Impedance	50Ω
5.4	Output VSWR	2.0 Max

### 6.0 OUTLINE

