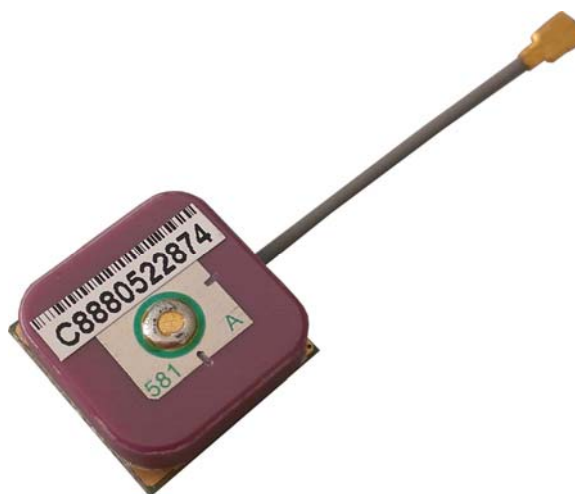


GPS Antenna

GPS6219



Specifications Sheet V0.1

Part No.: 3-6004-6219001

Features :

- 1.13mm/L 60mm/3.0V/15dB/ I-PEX

SPECIFICATION FOR GPS ANTENNA WITH LOW NOISE AMPLIFIER

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	Current Consumption	At 3.0V Min:2mA Typ: 4.2mA Max:5mA

2.3 CABLE & CONNECTOR

2.3.1	RF Cable	RF Coaxial Cable, $\varphi 1.13 \pm 0.1\text{mm}$, L = $60 \pm 2\text{mm}$ (with I-PEX connector)
2.3.2	RF Connector	I-IPEX(F)

3.0 ANTENNA

3.1	Antenna Dimensions	15x15x4 mm
3.2	Frequency Range	1575.42 ± 1.023 MHz.
3.3	GAIN	- 0.5 dBic Typ. @zenith
3.4	Polarization	RHCP
3.5	Axial ratio	Max 4.0dB@zenith

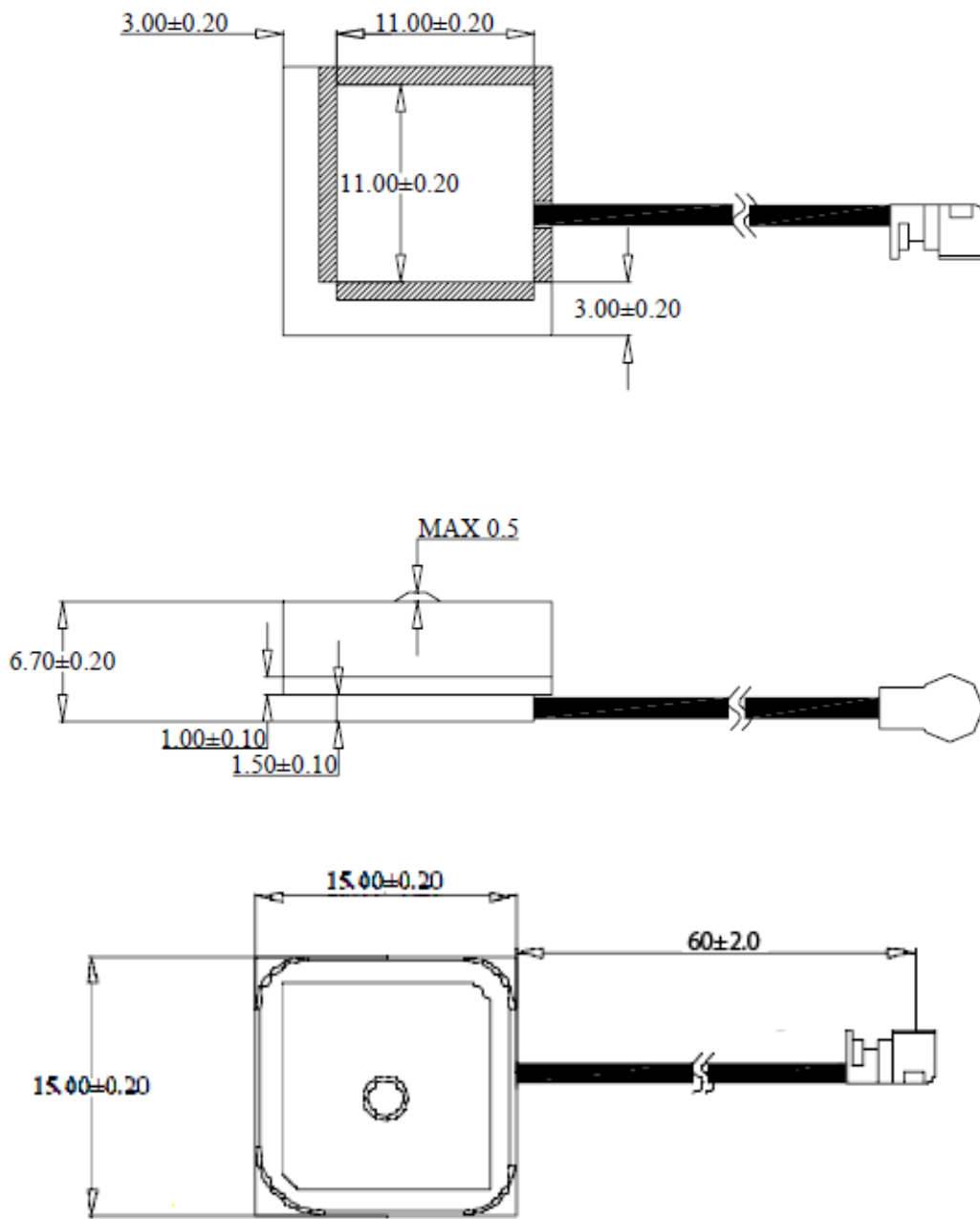
4.0 LNA

4.1	Frequency Range	1575.42 ± 1.023 MHz
4.2	Gain	Min.14.5dB Typ.15dB (+ 25 °C ± 5°C)
4.3	Noise Figure	1.5 dB Typ. (+ 25 °C ± 5°C) Not include Saw filter
4.4	Output Impedance	50Ω
4.5	Output VSWR	2.0 Max

5.0 TOTAL SPECIFICATIONS (Through Antenna, LNA, Cable and Connector)

5.1	Frequency Range	1575.42 ± 1.023 MHz
5.2	Gain	At 90° 14.5 ± 4dBi
5.3	Output Impedance	50Ω

6.0 OUTLINE



Unit:mm