

## Electrical Specifications

### 1. ANTENNA

Parameters	Specification	Unit
Frequency Range	1575.42 ± 1.02	MHz
VSWR, max	1.5	-
Bandwidth, min	5	MHz
Impedance	50	Ω
Gain (based on 70x70mm ground plane)	-3.0	dBi
Polarization	Linear	-
Operating Temperature Range	-25 ~ +65	°C
Storage Temperature Range	-45 ~ +85	°C

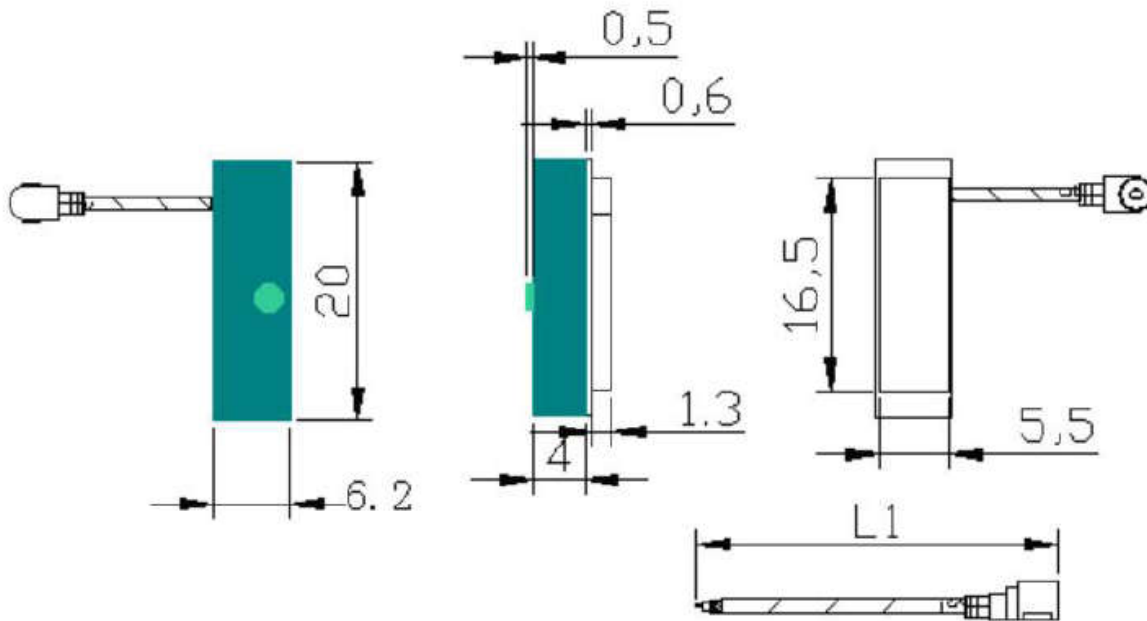
### 2. LNA

Parameters	Specification	Unit
Frequency Range	1575.42 ± 1.02	MHz
DC Voltage	3.0 ± 0.3	V
Gain (without cable), typ	18	dB
Insertion Loss	40	dB
VSWR, typ	1.5	-
Noise Figure, typ	1.2	dB
DC Current, typ	5.0	mA

## Cable and Connector

Parameters	Specification	Unit
Cable Diameter	0.8 ± 0.1	mm
Connector	IPEX	-

**Mechanical Characteristics**



L1= 20 ± 3mm

May, 2016