

# ALLISCOM GNSS Amplifier Data Sheet

L1、L2、L5、G1、G2、G3、B1、B2、B6、E1、E5a、E5b、E6



**Model No.** AMP20

- Features**
- ✓ Low Noise Figure: 0.8dB typical
  - ✓ 26dB Min. gain
  - ✓ Metal Structures
  - ✓ High Isolation
  - ✓ Low Profile
  - ✓ Wide bandwidth
  - ✓ All L band antenna in use

**Description** The AMP20 is a Low noise amplifier device. When GNSS signals were received by the multi-band antenna can be amplified to compensate signal attenuation and loss caused by the long cable transmission line.

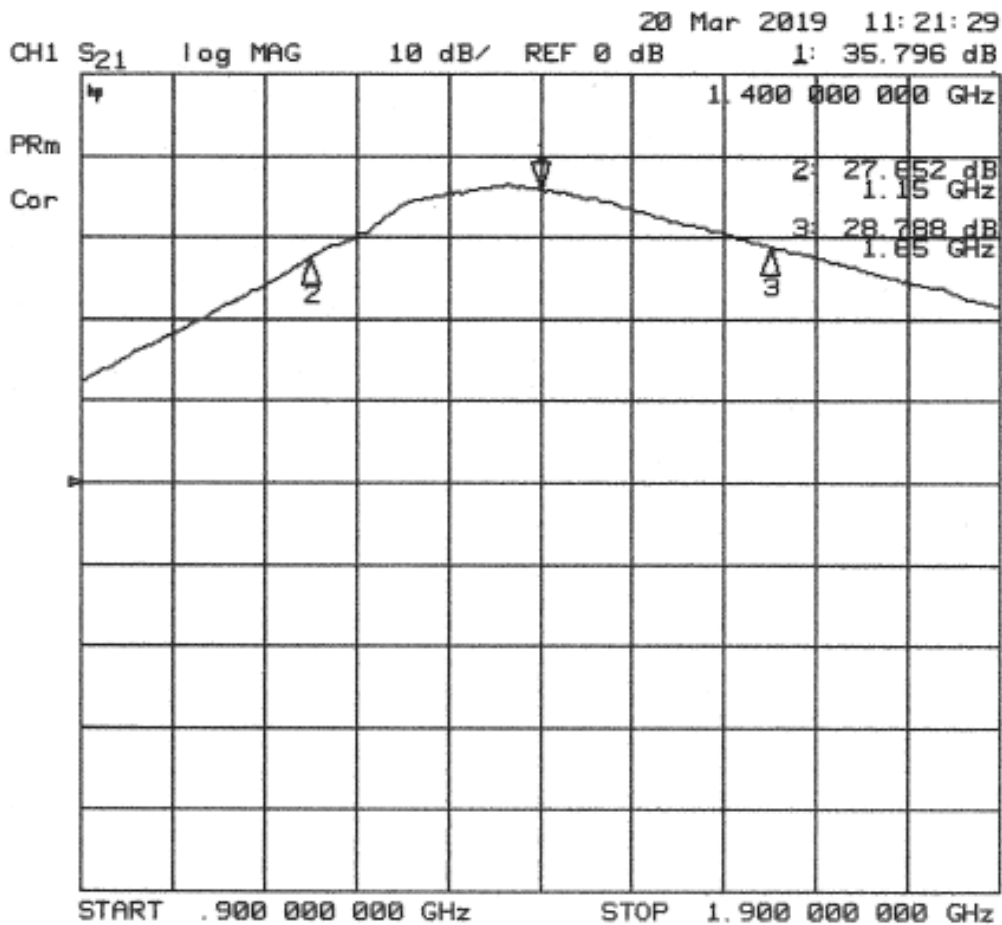
# 1. Electrical Specifications

## 1.1 Electrical Data

Frequency	1400 ± 250 MHz
GNSS Band	L1, L2, L5, G1, G2, G3, B1, B2, B6, E1, E5a, E5b, E6
Impedance	50Ω
Gain	26dB Min.
Noise Figure	0.8dB Typical
DC Voltage	4V to 24V
DC Current	10 ± 2 mA @12V
Out P1dB compression	7dBm
Absolute Maximum Input Power	10dBm
Power Consumption	0.14 W
Fuse	Maximum:1.1 A

Note: Specifications subject to change without notice

## 1.2 Gain Pattern

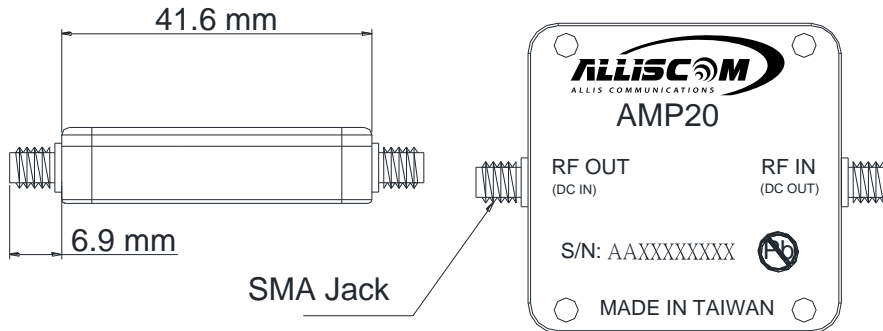


## 2. Mechanical Specifications

### 2.1 Mechanical Data

Weight	39.7 grams Max.
Dimension	41.60 X 41.3 X 10.1 mm
Connector type	SMA ( Jack ) x 2
Housing material	Aluminum

### 2.2 Dimensions

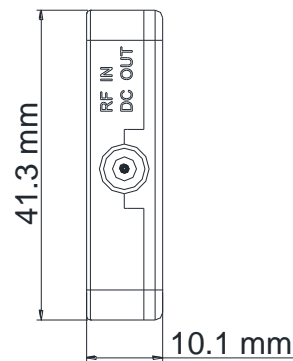


Housing: Aluminum  
Unit: mm

UNLESS OTHERWISE SPECIFIED

TOLERANCES:

ANGLE	± 1 °
1 PLACE DECIMALS	± 0.2
2 PLACE DECIMALS	± 0.15
3 PLACE DECIMALS	± 0.05



### 2.3 Appearance



## 3. Environmental Specifications

Working Temperature	-30°C < T < +80°C
Storage Temperature	-40°C < T < +85°C

Note: Specifications subject to change without notice.