

## OEM GPS Antenna Module with LNA

### SA-60C

- ❑ SA-60C is a antenna providing continuous L1 Band with high gain and low power consumption to a wide selection of GPS receivers in today's market
- ❑ It is a integration of high performance GPS patch antenna and a state of the art low noise amplifier
- ❑ It provides excellent antenna signal amplifications to any GPS receiver with a +3 ~ 5 V Dc antenna power at the center pin



# Datasheet SA-60C Antenna Module

## **Mechanical Data:**

Dimension in mm (LxWxH)	29x38x10.5
Weight	20g w/o cable
Shielding	LNA circuits are shielded with metal frame to avoid interferences

## **Environmental Conditions:**

Operating Temp.	-40°C ~ + 85°C
Storage Temp.	-50°C ~ + 90°C
Relative Humidity	95% non-condensing

## **Antenna element:**

Center Frequency	1575.42 +/- 1.023 MHz
Polarization	R.H.C.P
Absolute Gain at Zenith	+5dBi typically
Gain at 10° Elevation	-1 dBi typically
Axial ratio	3 dB max.
Output VSWR	1.5 max with 5m GG174/U cable con.
Output Impedance	50 Ω

## **Low Noise Amplifier**

Center Frequency	1575.42 +/- 1.023 MHz
Power Gain	30dB typical
Band Width	2 MHz min

Noise Figure	1.5 max
Supply Voltage	4.5 ~ 5.5 V DC
Current Consumption	28mA +/-3mA
VSWR	2.0 max
Output Impedance	50 Ω

## **Overall Performance:**

Center Frequency	1575.42
Gain	27 dB min
Band Width	2 MHz min
Noise Figure	2.0 max
Axel Ratio	3dB max
VSWR	2.0 max
Output Impedance	50 Ω

## **Cable & Connector:**

Cable	3m to 5m
Connector type	optional

## **Contact us:**

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