

OEM GPS Antennen Modul mit LNA

SA-76C

- ❑ SA-76C ist eine GPS Antenne die kontinuierliche L1 Band bietet
- ❑ Hohe Leistung bei niedrigen Stromverbrauch
- ❑ Kompatibel mit vielen GPS-Empfänger
- ❑ Das SA-76C ist eine Hochleistungs-GPS Patch-Antenne mit einem Low Noise Amplifier
- ❑ Sehr kompakt
- ❑ Bietet gute Temperatur Stabilität



Datasheet SA-76C 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.	-30°C ~ + 85°C
Storage Temp.	-40°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	2.5 ~ 5.5 V DC
Current Consumption	12mA +/-1mA @ +3.0 ~ 5 V DC
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

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