

Waterproof Marine GPS Antenna | GA-C1



Product Description

Santa Fe GA-C1 marine high-gain GPS antenna is packaged in a low-profile waterproof housing and provides pole mounting for permanent installation. The 42 dB active GPS antenna applies custom designed ceramic patch element and circuits to ensure high and consistent overall performance with all kinds of GPS receivers while minimizing loss-of-lock when GPS satellite signal conditions are less than ideal. It is mainly designed for marine, navigation, telemetry and timing synchronization applications in harsh environment. Standard cable length is 10 meter RG-58. Other length or cable is optional.

Highlight

- Low profile and IP67 waterproof feature
- High gain active LNA with SAW filter

Contact Us

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Electrical Specification

Frequency	1575.42 MHz ± 1 MHz
Antenna V.S.W.R.	≤ 1.5 : 1
Gain	5 dBic
Polarization	R.C.H.P
Impedance	50Ω

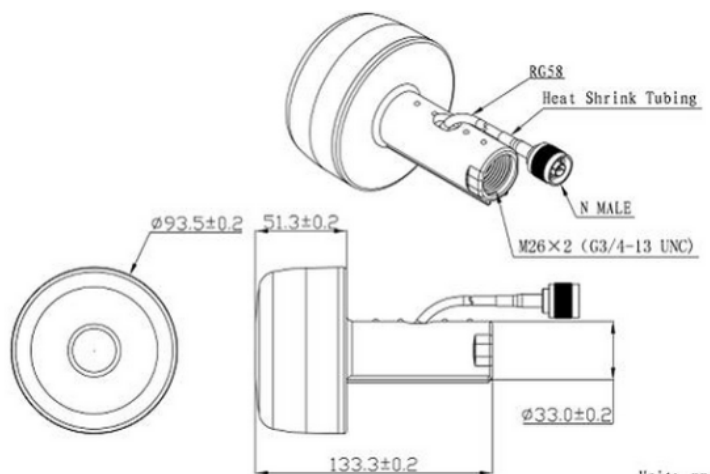
Antenna LNA

Gain	42 ± 2 dBi
Working Voltage	3 ~ 5V
Current Consumption	18 ~ 35 mA
Noise Figure	≤ 1.3
Supply Voltage	3 ~ 5V
Current Consumption	18 ~ 35 mA
VSWR	< 2.0

Mechanical Specification

Dimension	133.3 x Ø93.5(Dia.) mm
Connector	N plug or other RF connectors
Cable	RG-58 cable
Cable Length	10m (Standard)
Mounting	Pole mount
Working Temperature	-40 °C to +85 °C
RoHS	Compliant
Ingress Protection	IP67 waterproof

Drawing



Unit: mm