

KUS

GPS Antenna

User's Manual



www.kus-usa.com

Table of Contents

1. General.....01
2. Installation.....01
3. Component Function Diagram.....03

Revision History

Revision	Description
1.0	Original Document

1. General

1.1 Introduction

GPS Antenna receives the satellite signal and provides high-precision real-time location information to the existing NMEA2000 and /or J1939 network.

GPS Antenna has 66 search channels and 22 simultaneous tracking channels; acquires and tracks satellites in the shortest time even at indoor signal level.

1.2 Features

The GPS Antenna has the following features.

- ◆ Provide a regular transmission of UTC time and data, with minimal latency.
- ◆ Provide latitude and longitude.
- ◆ Provide Course Over Ground (COG) and Speed Over Ground (SOG).

2. Installation

2.1. Choosing a Mounting Location

- ◆ To ensure the best reception, the GPS Antenna should be mounted in a location that has a clear, unobstructed view of the sky in all directions.
- ◆ GPS Antenna should not be mounted where it is shaded by superstructure of the boat, a radome antenna, or the mast. The GPS Antenna should not be mounted near the engine.

2.2. Mechanical Specifications

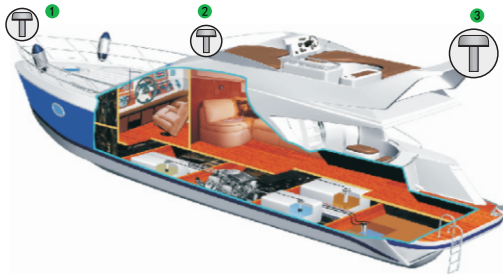


Figure 1 - Mounting Location

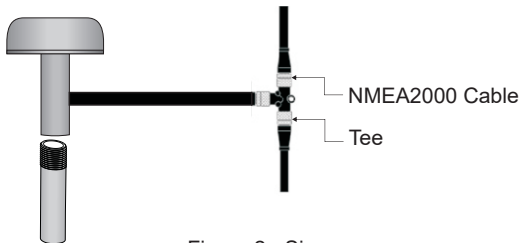
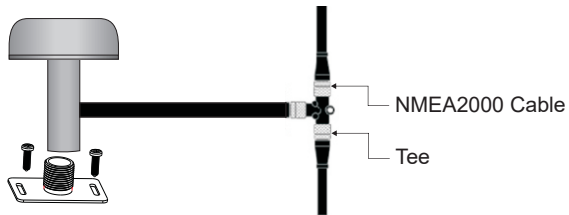
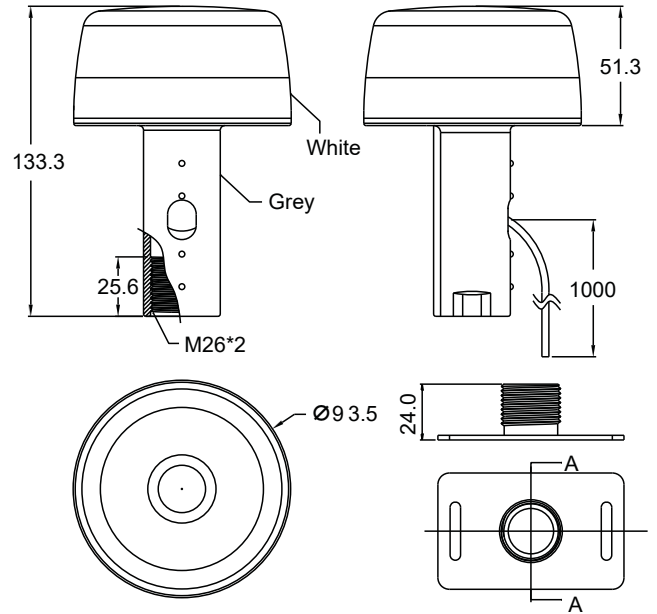


Figure 2 - Size



3. Technical Specifications

3.1 Electrical

Operating Voltage	9~16V
Power Consumption	<50mA
Load Equivalence Number (LEN)	1

3.2 Environmental

Operating Temperature	-30~75°C
Storage Temperature	-40~80°C
Degree of Protection	IP67

3.3 Mechanical

Size	See Figure 2
Weight	360g

4.4 Certifications

NMEA2000	Level B+
----------	----------

3.5 NMEA2000 Parameter Group Number(PGN)

Description	PGN	PGN name
Periodic data PGNs	126992	System Time
	129025	Position, Rapid Update
	129026	COG&SOG, Rapid Update
Response to requested PGNs	126996	Product Information
Protocol PGNs	59392	ISO Acknowledge
	59904	ISO Request
	60928	ISO Address Claim

KUS

Since 1984

