

## Product Highlight

TW4721 / TW4722 Single Band GNSS Antenna



When precision matters.®

# TW4721 / TW4722 Single Band GNSS Antenna

Frequency Coverage: L1/G1/E1/B1

The TW4721/TW4722 is a compact, wideband GNSS antenna that provides accurate reception for all upper L- band GPS, GLONASS, Beidou, and Galileo signals ( L1, G1, B1, B1 BOC, B1-2, E1) and associated augmentation signals (WAAS, EGNOS and MSAS SBAS). This antenna employs Tallysman's patented Accutenna® technology.

The TW4721/TW4722 features a novel 25mm dual feed wideband patch element that, in sharp contrast with its competitors, provides a truly circularly polarized response, with a typical axial ratio of less than 2dB over the full bandwidth. This provides a more linear carrier phase response and substantially improved multipath rejection for higher precision applications.

The TW4722 is the pre-filtered version of the TW1721. The pre-filter provides protection from near frequency or strong harmonic interfering signals. The TW4721/TW4722 is the smallest, lightest, wideband GNSS antenna available. It is housing in a compact IP67 magnetic or adhesive mount enclosure and is available with a wide range of connector options and custom coax cable lengths.

The antenna can be ordered without the magnet. In such cases, the magnet is replaced with a plastic plug to provide a smooth under surface, with the option of ordering it with or without 1.1 mm double-sided VHB tape on the bottom.



### Applications

- Cost Sensitive Mission Critical Positioning
- UAV / UAS
- Covert surveillance
- Fleet Management & Asset Tracking

### Features

- Dual feed patch element
- Axial ratio: 2 dB typ.
- Low noise LNA: 1 dB
- High rejection mid-section SAW filter
- High gain: 26 dB typ.
- Wide voltage input range: 1.8 to 16 VDC
- IP67 weather proof housing
- Low Power: 10mA typ. over supply range

### Benefits

- Greatly enhanced multipath rejection improved GNSS reliability
- Excellent signal to noise ratio
- RoHS compliant
- Ideal for harsh environments
- Excellent out of band signal rejection



Contact NavtechGPS for product details. [www.NavtechGPS.com](http://www.NavtechGPS.com)  
+1-703-256-8900 • 800-628-0885 • [info@navtechgps.com](mailto:info@navtechgps.com)

## Product Highlight

TW4721 / TW4722 Single Band GNSS Antenna

### Product Information

Model	Mounting	Frequencies	Amplifier Gain
TW4721 / TW4722	Surface Mount / Magnet / Adhesive	L1/G1/E1/B1	25 dB typ.

Remarks: TW4722 Prefiltered

Learn More: [TW4721 / TW4722](#)

[TW4721 / TW4722 Datasheet](#)

### Ordering Information

TW4721 – Single Band GNSS antenna 33-4721-xx-yyyy

TW4722 – Pre-filtered Single Band GNSS antenna 33-4722-xx-yyyy

Where xx = connector type, yyyy = cable length in mm

### Related Information

- [Tallysman Antenna Selection Guide](#) – Finding the right antenna for your application
- [Tallysman Ordering Guide](#) – View the wide range of “standard” customizations for Tallysman’s entire antenna line



Contact NavtechGPS for product details. [www.NavtechGPS.com](http://www.NavtechGPS.com)  
+1-703-256-8900 • 800-628-0885 • [info@navtechgps.com](mailto:info@navtechgps.com)

© 2019 Tallysman Inc. All rights reserved. Tallysman, the “When Precision Matters” tag line and the Tallysman logo are trademarks or registered trademarks of Tallysman Inc. and/or its affiliates in Canada and certain other countries. All other trademarks mentioned in this document are the property of their respective owners. The information presented is subject to change without notice. Tallysman assumes no responsibility or any errors or omissions in this document. Tallysman Wireless Inc. hereby disclaims any or all warranties and liabilities of any kind.

**Contact us:**  
[info@tallysman.com](mailto:info@tallysman.com)  
T: +1 613 591-3131