

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
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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
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