

Product Highlight

TW3867 Embedded Dual Band GNSS Antenna



When precision matters.®

TW3867 Embedded Dual Band GNSS Antenna

Frequency Coverage: L1/L2/G1/G2/E1/B1

The TW3867 antenna employs Tallysman's unique Accutenna® technology providing dual band GPS L1 & L2, GLONASS G1 & G2, BeiDou B1, and Galileo E1 coverage and is especially designed for precision dual frequency positioning.



The TW3867 features a precision tuned, circular dual feed, stacked patch element. The signals from the two orthogonal feeds are combined in a hybrid combiner, amplified in a wideband LNA, then band-split for narrow filtering in each band and further amplified prior to recombination at the output.

The TW3867 has a strong pre-filter to mitigate intermodulated signal interference from LTE and other cellular bands. It further offers excellent axial ratio and a tightly grouped phase center.

The TW3867 covers GPS L2 (1227.6MHz), GLONASS G2 (1248MHz centre), GPS L1/WAAS/EGNOS/MSAS (1575.42MHz), GLONASS G1 (1602MHz, centre), BeiDou B1 (1561 MHz , 1589 MHz), and Galileo E1.

The OEM antenna is supplied with a standard 60mm diameter circular ground plane, with a coaxial cable terminated with your choice of connector. Mounting holes are provided for attachment to larger ground planes. Custom tuning and ground plane options may be available, depending on purchase level commitment.

Applications

- Precision GPS position
- Dual Frequency RTK receivers
- Military & Security
- Network Timing and Synchronization

Features

- Very low Noise Preamp,
- Axial ratio L1: ≤ 1 dB typ. 1.5 dB max
- Tight Phase Center Variation
- LNA Gain 28 dB typ.
- Low current: 24 mA typ.
- ESD circuit protection: 15 KV
- Invariant performance from: +2.5 to 12VDC

Benefits

- Ideal for dual frequency RTK and PPP surveying systems
- Great multipath rejection
- Increased system accuracy
- Great signal to noise ratio
- RoHS and REACH compliant



Contact NavtechGPS for product details. www.NavtechGPS.com
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Product Information

Model	Mounting	Frequencies	Amplifier Gain
TW3867	OEM / Embedded	L1/L2/G1/G2/E1/B1	28 dB typ.

Remarks: *Prefiltered*

[Learn More](#)

[TW3867 Datasheet](#)

Ordering Information

TW3867 – Embedded Dual Band GNSS antenna

Part Number: 33-3867-xx-yyyy-zz, where xx = connector type, yyyy = cable length in mm and zz = assigned by Tallysman for custom tuning

Related Information

- [Tallysman Antenna Selection Guide](#) – Finding the right antenna for your application
- [Embedded Antenna Reference Guide](#) – Ensure optimal performance with Tallysman’s embedded antennas
- [Tallysman Ordering Guide](#) – View the wide range of “standard” customizations for Tallysman’s entire antenna line



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