

Product Highlight

TW3967 Embedded Triple Band GNSS Antenna with L-Band



When precision matters.®

TW3967 Embedded Triple Band GNSS Antenna with L-Band

Frequency Coverage: L1/L2/L5/G1/G2/G3/E1/E5a/E5b/B1/B2 + Lband

The TW3967 is an Accutenna® technology antenna providing triple band GPS L1/L2/L5, GLONASS G1/G2/G3, BeiDou B1/B2, Galileo E1/E5 plus L-band correction services coverage and is especially designed for precision triple frequency positioning. The TW3967 provides superior multi-path signal rejection, a linear phase response, and tight Phase Centre Variation (PCV). This antenna is ideal for precision agriculture, autonomous vehicle tracking and guidance, and other applications where precision matters.



The TW3967 features a precision tuned, twin 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 antenna also has a strong pre-filter to mitigate intermodulated signal interference from LTE and other cellular bands.

The TW3967 offers excellent axial ratio and a tightly grouped phase center variation. The TW3967 covers from 1164MHz to 1254MHz and 1525MHz to 1606MHz.

The TW3967 is also available with 35dB or 18dB gain with a part number of TW3972E and TW3967LC respectively. A 100mm ground plane is recommended.

Applications

- Precision GPS position
- Triple Frequency RTK receivers
- Mission Critical GPS Timing
- Military & Security
- Network Timing and Synchronization

Features

- Very low Noise Preamp, < 2.5dB
- Axial ratio: <2dB typ.
- 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 16VDC

Benefits

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



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

Model	Mounting	Frequencies	Amplifier Gain
TW3967	OEM / Embedded	L1/L2/L5/G1/G2/G3/E1/E5a/E5b/B1/B2, L-Band Correction	28 dB typ.

Remarks: *Prefiltered*

[Learn More](#)

[TW3967 Datasheet](#)

Ordering Information

TW3967 – Embedded Triple Band GNSS antenna with L-Band Correction

Part Number: 33-3967-xx-yy-zzzz, where xx = connector type, yy = shape and colour of radome and zzzz = cable length in mm (where applicable)

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



Contact NavtechGPS for product details. www.NavtechGPS.com
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