

Product Highlight

TW2710 / TW2712 Single Band GNSS Antenna



When precision matters.®

TW2710 / TW2712 Single Band GNSS Antenna

Frequency Coverage: L1/G1/E1/B1

The TW2710 and TW2712 antennas employ Tallysman's unique Accutenna® technology, covering the GPS L1, GLONASS G1, BeiDou B1, Galileo E1, frequency bands, as well as SBAS (WAAS, QZSS, EGNOS & MSAS, 1557MHz to 1606MHz).

Designed for precision industrial, agricultural and military applications the TW2710 and TW2712 provide a truly circular response over its entire bandwidth thereby producing superior multipath signal rejection.

With a low axial ratio, excellent phase linear response and a tight phase centre variation, the TW2710 and TW2712 provide the performance normally associated with premium-priced antennas.

Each antenna also features a dual-feed wideband patch element, with one Low Noise Amplifier (LNA) per feed, a mid section combiner and SAW filter, and a final output gain stage.

Differing from the TW2710, only by an added pre-filter option, the TW2712 provides extra protection against saturation by strong near frequency or harmonic signals, such as LTE.

The TW2710 and TW2712 are housed in a compact, industrial-grade weatherproof enclosure, and are TW2710/TW2712 available with a variety of connectors and cable lengths.

They can be ordered with a choice of a magnet mount, adhesive mount, direct screw mount, or a plastic plug that provides a smooth mounting surface.



Applications

- High Accuracy & Mission Critical GNSS
- Precision Agriculture, Mining & Construction
- Military & Security
- Law Enforcement & Public Safety
- Fleet Management & Asset Tracking

Features

- Covers B1 / E1 / L1 / G1 Frequencies
- Great axial ratio: 1 typ., 3 dB max
- Low noise LNA: ≤ 1 dB
- High rejection SAW filter
- LNA gain: 28 dB typ.
- Low current: 15 mA typ.
- Wide voltage input range: 2.5 to 16 VDC

Benefits

- Excellent multipath rejection
- Increased system accuracy
- Excellent signal to noise ratio
- Great out of band signal rejection
- Ideal for harsh environments
- RoHS compliant



Contact NavtechGPS for product details. www.NavtechGPS.com
+1-703-256-8900 • 800-628-0885 • info@navtechgps.com

Product Highlight

TW2710 / TW2712 Single Band GNSS Antenna

Product Information

Model	Mounting	Frequencies	Amplifier Gain
TW2710 / TW2712	Surface Mount / Magnet / Direct Screw / Adhesive	L1/G1/E1/B1	28 dB typ.

Remarks: TW2712 Prefiltered

Learn More: [TW2710 / TW2712](#)

[TW2710 / TW2712 Datasheet](#)

Ordering Information

TW2710 – Single Band GNSS antenna 33-2710-xx-yyyy-zz

TW2712 – Pre-filtered Single Band GNSS antenna 33-2712-xx-yyyy-zz

Where xx = connector type yyyy= cable length (in mm) and zz = reserved for Tallysman's use

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
+1-703-256-8900 • 800-628-0885 • 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
T: +1 613 591-3131