

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
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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
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