Trimble GA810 Antenna

PRECISION GNSS ANTENNA FOR MARINE APPLICATIONS

The Trimble GA810 GNSS antenna is designed to support high precision marine applications. It is equipped with 100% humidity proof enclosure and threaded mounting to protect from harsh environments commonly seen in marine applications.

COMPREHENSIVE GNSS SUPPORT

The Trimble GA810 antenna offers full support for current and near-future GNSS signals from GPS, GLONASS, Galileo, BeiDou, QZSS, IRNSS, OmniSTAR, Trimble RTX and SBAS.

Key Features of Trimble GA810:

- Equipped with a mag switch to allow users to change between MSS wideband and narrowband
- Thread mount prevents rusting caused by salt and water in marine applications

Key Features

- Comprehensive GNSS support, including GPS modernization signals, GLONASS, BeiDou, Galileo, QZSS and IRNSS
- OmniSTAR and RTX Support
- Supports MSS narrowband and wideband
- Rugged and 100% humidity proof



DATASHEET

Trimble GA810 GNSS Antenna

TECHNICAL SPECIFICATIONS

Comprehensive GNSS Tracking:
- GPS: L1, L2, L5
- GLONASS: L1, L2, L5
- Galileo: E1, E5a, E5b, E6
- BeiDou: B1, B2, B3
- QZSS: L1, L2, L5, L6, LEX
- IRNSS: L5
- SBAS: WAAS, EGNOS, GAGAN, and MSAS
- MSS: OmniSTAR, Trimble RTX

Magnetic switch for narrowband and wideband
- Wideband mode: 1525 - 1614 MHz
- Narrowband mode: 1555 - 1608 MHz

MTBF >5,000 hours

ENVIRONMENTAL QUALIFICATIONS

Operating Temperature . . –40 °C to +70 °C (–40 °F to +158 °F)
Humidity . . . . . 100% humidity proof, fully sealed, IP67
Shock and Vibration
Tested and meets the following environmental standards:
Shock . . . . . MIL-STD-810-F to survive a 2 m (6.56 ft) drop onto concrete
Vibration . . . . . .MIL-STD-810-F on each axis

Compliance . . . . . .CE compliant including ISO 7637, 2011/65/EU (RED), EN 55022, E-Mark and RoHS, FCC, ICES and RSS compliant

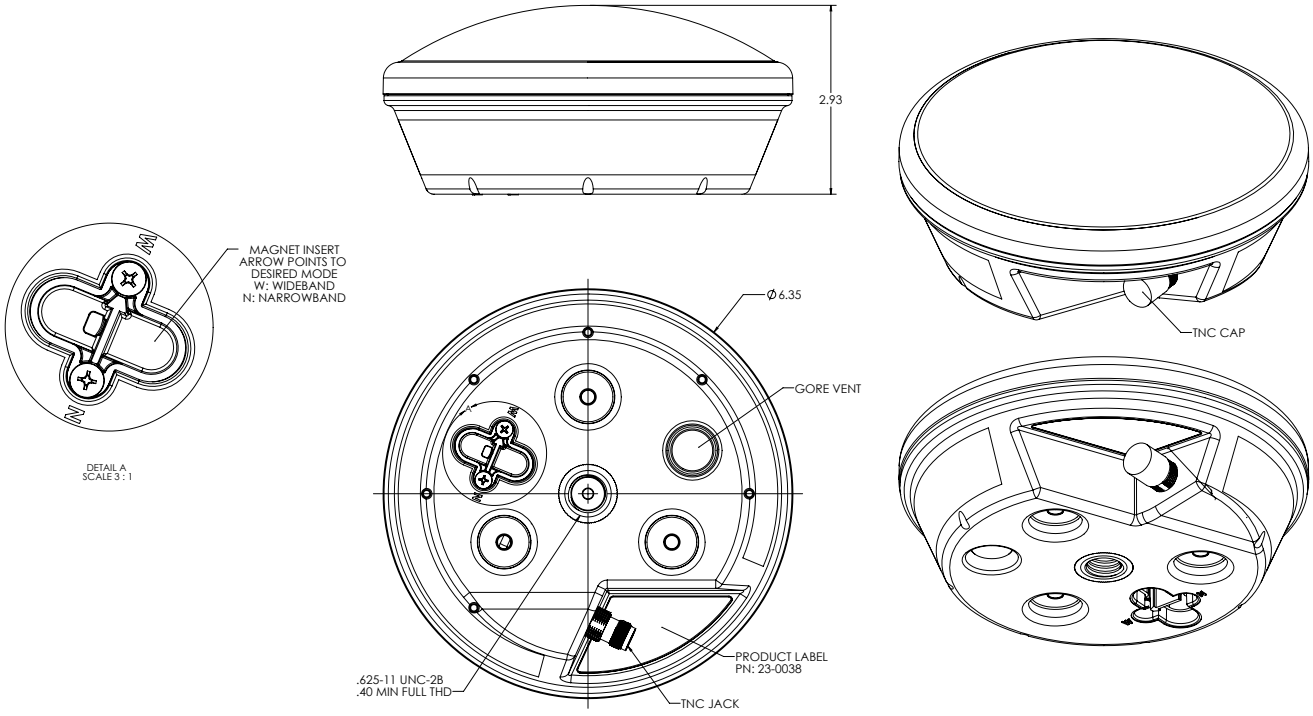
PHYSICAL AND ELECTRICAL SPECIFICATIONS

Dimensions . . . . . .16.13 cm diameter x 7.44 cm height (6.35 in diameter x 2.93 in height)
Weight . . . . . 0.57 Kg (1.26 lb)
Input Voltage . . . . . .3.4 VDC to 12 VDC
Input Current . . . . . <130 mA
Signal Gain . . . . . .48 dB
Signal Connector . . . . . .TNC Female
Mounting . . . . . .5/8" - 11 Female Thread

PART NUMBER

99810-30-INT . . . . . .Trimble GA810 Antenna

Specifications subject to change without notice.



Contact your local dealer today

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