

## GPS LOW NOISE AMPLIFIER NTS-DPO



The Navtech Systems GPS LNA (NTS-DPO) amplifies low level signals from passive or low gain antennas. Using a combined low noise amplifier and power by-pass circuitry, the GPS LNA antenna will amplify GPS signals to a receiver connected to the output. Antenna power, supplied by the GPS receiver, is by-passed to the antenna to enable active antennas to be used as the primary signal source on any GPS installation.

By simply inserting the GPS LNA in the antenna feeder cable, using standard TNC connectors, the GPS signal is correctly terminated and amplified to the receiver.

### Specifications

- Filtered for GPS L1 only (1575.42MHz)
- Flatness less than 3.5dB
- Noise figure less than 1.8dB
- 12dB min gain
- 50 ohm impedance on input and output ports
- Input & Output SWR less than 2.0:1
- Reverse Isolation greater than 49dB
- DC input 3.1 to 5V dc
- Current draw less than 7mA

### Mechanical Specifications

- Dimensions (approx)                      Length 40mm x Width 20mm x Height 20mm
- Connections:                                      TNC female input and output
- Operating Temperature:                      -40 to 75°C

