

Navtech Systems GPS Products

GPS Antenna Splitter NTS-DP1



The Navtech Systems GPS diplexer NTS-DP1 enables two GPS receivers to share a single antenna. Using a combined low noise amplifier and power by-pass circuitry, the GPS antenna will supply amplified GPS signals to one or both receivers connected to the outputs. Antenna power supplied by either 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 diplexer in the antenna feeder cable, using standard TNC connectors, the GPS signal is correctly terminated, amplified and split to the respective 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 all ports
- Input & Output SWR less than 2.0:1
- Reverse Isolation greater than 49dB
- Either port can pass DC voltage to antenna
- DC input 3.1 to 5V dc
- Current draw less than 7mA

Mechanical Specifications

- Dimensions (approx) Length 28mm x Width 33mm x Height 20mm
- Connections: TNC female input and output
- Operating Temperature: -40 to 75°C



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