

Navtech Systems GPS Products

Quad GPS Antenna Splitter NTS-DP4



The Navtech Systems Quad GPS antenna splitter NTS-DP4 enables up to four GPS receivers to share a single antenna. Using a combined GPS channel filter, low noise amplifier and power by-pass circuitry, the GPS antenna will supply filtered and amplified GPS signals to one or four receivers connected to the outputs. Antenna power supplied by any 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 or optional SMA connectors, the GPS signal is correctly terminated, amplified and split to the respective receiver.

Specifications

- Frequency response for GPS L1
- 1,575 GHz +/- 25MHz
- 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
- All ports pass antenna DC voltage
- DC input 3.1 to 5VDC
- Auxiliary 6 - 16V dc input option
- Current draw less than 10mA

Mechanical

- Dimensions: 77mm x 50mm x 32mm
- Connections: TNC female input and output
- Operating Temperature: -40 to 75°C



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