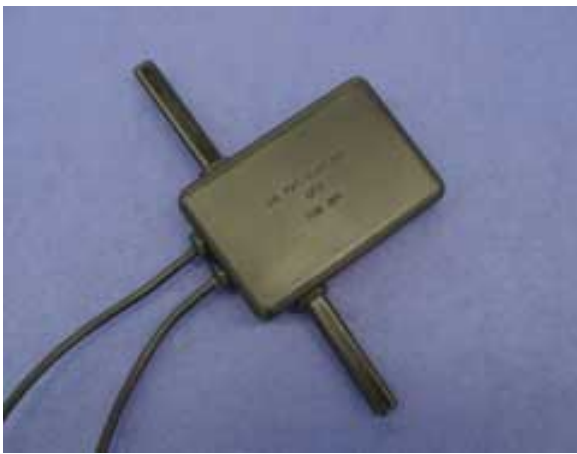


Covert GPS Antenna

Dual Band Cellular & GPS



CVX Series Covert Dual Band

- Compact design, in stylish ABS case
- High performance GPS with 26 dB active amplifier
- Dipole antenna operates on many bands
Cellular 800/Nextel/ISM 915/GSM 900
- Double sided adhesive tape for mounting
in hidden locations

These new antennas are a marvel in RF circuitry. Incorporating GPS antennas with LNA, and a 800/900 MHz antenna, these products are the solution for a variety of installations. Typical installations include inside a taillight, hidden in the back deck of a car, simply on a dash, or under the dashboard. The ergonomic designs allow them to blend in.

GPS performance is 26 dB, with 5 dBi antenna gain. They have a low noise figure (1.7 dB typical) with excellent filter characteristics. The GPS amplifier accepts either +3.3 or +5 VDC.

The CVX Series is enclosed in a stylish case of 1.6"W x 2.4"L x .55"H (41 mm x 61 mm x 14 mm). The case is water resistant, but should be protected from moisture and the elements as much as possible. It uses double sided mounting tape, for securing to a surface. Center-fed flexible radiators provide excellent 800/900 MHz performance (1-2 dBi).

Model is outfitted with separate cabling for the cellular and GPS bands. Standard cabling is 15 ft of RG-174 (4.5 meters). Varying connectors can be requested. Popular requests are SMA or SMB for GPS, with TNC or SMA for cellular. Other connectors are available, please consult factory for details and pricing.

Overall antenna performance will vary based upon the installation. For optimum performance, the antennas should be mounted away from metal objects which might cause interference.

Model Numbers

<u>Model</u>	<u>Description</u>
CVX-900/1575	Covert Dual Band antenna, for 806 - 960 MHz with GPS

Please specify desired connectors at time of order.
Note: All models are dual voltage 3.3/5 VDC. Please consult factory for other configurations.

Specifications

Frequency:

GPS	1575.42 +/- 2 MHz
Cellular/Nextel	806 - 960 MHz

Cellular Gain: 1-2 dBi typical

GPS Gain: 26 dB, 5 dBi Antenna

VSWR: 2:1 max over range

Noise Figure: 2.0 dB max, 1.7 dB typical

Operating Temp: -30° to +80° C

Nominal Impedance: 50 ohms

Max Power: 4 Watts (800/900 MHz Band)

Amplifier Bias: Dual 3.3/5 VDC +/- 10%

Current: 20 mA max, 10 mA typical

Cable: Separate RG-174, 15 ft (4.5 meters)

Case Size: 1.6"W x 2.4"L x .55"H
(41 mm x 61 mm x 14 mm)

Dipole Radiators: Flexible, 4.5" wide wings (115 mm)

Case Material: ABS plastic

Mounting: Double Sided tape provided

Connector: SMB plug or SMA for GPS, TNC for 900 MHz, please specify at time of order.

Consult factory for other configurations and connectors.