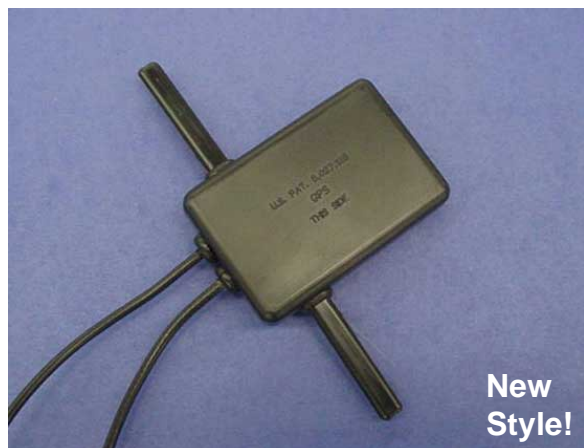


Covert GPS Antenna (Pat. Pnd.)

Dual Band 900 MHz & GPS



CVX Series Covert Dual Band

- Miniature design, in stylish ABS case
- High performance GPS with 27 dB active amplifier
- Integral dipole antenna with separate cable for Cellular, CDPD, SMR, or ISM
- 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 900 MHz antenna, these products are the solution for a variety of installations. Typical installations include inside a tail-light, hidden in the back deck of a car, simply on a dash, or embedded. The ergonomic designs allow them to blend in.

GPS performance is 27 dB, with 5 dBi antenna gain. They have a low noise figure (1.7 dB typical) with excellent filter characteristics. Power for the GPS amplifier is +5 VDC, with optional 3.3 VDC capability.

The CVX Series is enclosed in a stylish case of 2"W x 3.25"L x 3/4"H. 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 900 MHz performance (1-2 dBi).

All models are outfitted with separate cabling for the cellular and GPS bands. Standard cabling is 15 ft RG-174, with SMB plug on GPS, and TNC male on Cellular/900 MHz Band. 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 interfere.

Antenna Model Numbers

Model	Description
CVX-900/1575	Mini-Covert, Cellular/CDPD & GPS
CVX-837/1575	Mini-Covert, Low SMR & GPS
CVX-925/1575	Mini-Covert, High SMR/GSM & GPS

Please specify TNC or Mini-UHF connector for the Cellular/SMR connection, SMA or SMB for GPS. Please consult factory for other configurations.

Specifications

Frequency:		Amplifier Bias:	+5 VDC +/- 10% (GPS), 3.3 VDC models optional
GPS	1575.42 +/- 2 MHz	Current Drain:	20 mA max
Cellular/CDPD	824-894 MHz	Cable:	Separate RG-174U, 15ft, each band
Low SMR	804-870 MHz	Case Size:	1 5/8"W x 2 3/8"L x 5/8"H
High SMR/GSM	890-970 MHz	Dipole Radiators:	Flexible, 4.5" Wide
Cellular Gain:	Unity Gain, 1-2 dBi typical	Case Material:	ABS plastic
GPS Gain:	27 dB, 5 dBiC Antenna	Mounting:	Double Sided tape provided
VSWR:	2:1 max over range	Connector :	SMB plug or SMA for GPS, TNC for 900 MHz, please specify at time of order. Consult factory for other configurations and connectors.
Noise Figure:	2.0 dB max, 1.7 dB typical		
Operating Temp:	-20° to +50° C		
Storage Temp:	-70° to +70° C		
Nominal Impedance:	50 ohms		
Max Power:	4 Watts (800/900 MHz Band)		