



Covert Antenna,  
Wideband

## Covert Antennas, Cellular 806-1990 MHz & GPS

- Sub-compact design with slim ASA case
- High performance GPS with 26 dB amplifier
- Operates on all Dual Band Cellular & PCS systems
- Double sided adhesive tape for mounting

The subcompact multiband CVS Series antennas don't sacrifice a thing on performance. Super slim with a "strip" profile, they can be mounted almost anywhere.

Mounting the antenna to the inside of a car window behind the rear view mirror even provides a discreet effect. Other popular locations are under the rear deck or under the dashboard.

GPS performance is 26 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 2.7 to 5 VDC (dual voltage capable).

The CVS Series is enclosed in a case 1.5"W x 4.5"L and only 0.6" thick (38mm x 120mm x 16mm), resembling a key fob in appearance.

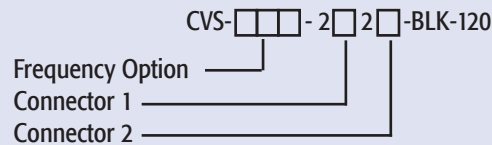
The antennas are available for different Cellular bands. The latest PCB technology provides excellent performance on all bands.

The CVS Series antennas use double sided mounting tape, for securing to a surface.

Models are outfitted with 10 ft (3 meters) of dual bonded RG-174 cable. Standard connector configurations are SMA/SMA. Other configurations are available as special order.

Overall antenna performance will vary based upon the installation. For optimum performance, the antennas should be mounted away from metal objects which might shield the pattern. However, these antennas do not need a ground plane for operation.

### Model Configurator



Example: CVS-U15-2C2C-BLK-120  
CVS-N15-2C2D-BLK-120

| Freq. Options: |              | Cable Options: |        | Connector Options: |           |
|----------------|--------------|----------------|--------|--------------------|-----------|
| Code           | Freq (MHz)   | Code           | Cable  | Code               | Connector |
| U15            | 850/1900/GPS | 2              | RG-174 | A                  | TNC       |
| C15            | 925/1900/GPS |                |        | B                  | Mini UHF  |
| E15            | 925/1800/GPS |                |        | C                  | SMA       |
| N15            | 837/1900/GPS |                |        | D                  | SMB       |
|                |              |                |        | E                  | MCX       |

(Other Configurations available.)

### Specifications

|                      |                            |                    |  |
|----------------------|----------------------------|--------------------|--|
| Frequency:           |                            | Maximum Power:     | 5 Watts  |
| GPS                  | 1575.42 +/- 2 MHz          | Amplifier Bias:    | 2.7 to 5 VDC                                   |
| U15                  | 824-894/1850-1990 MHz      | Current:           | 20 mA max, 10 mA typical                       |
| N15                  | 806-870/1850-1990 MHz      | Cable:             | 10 ft (3 m) of dual bonded RG-174              |
| E15                  | 870-960/1710-1880 MHz      | Case Size:         | 1.5"W x 4.5"L x 0.6"H (38 mm x 121 mm x 16 mm) |
| C15                  | 870-960/1850-1990 MHz      | Case Material:     | Black only, ASA plastic                        |
| Cellular / PCS Gain: | 2 dBi max                  | Mounting:          | Double sided tape provided                     |
| GPS Gain:            | 26 dB LNA                  | Connector:         | SMA/SMA standard                               |
| VSWR:                | 5 dBi nominal RHCP Antenna | Shock & Vibration: | EN 61373, IEEE 1478, MIL-810G TIA-329.2-C      |
| Noise Figure:        | 2:1 max over all bands     | Water Ingress:     | IPx7   |
| Operating Temp:      | 2.0 dB max, 1.7 dB typical |                    |  |
| Nominal Impedance:   | -40° to +85° C             |                    |  |
|                      | 50 ohms                    |                    |  |