

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



Covert Antenna,  
Wideband

- 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.

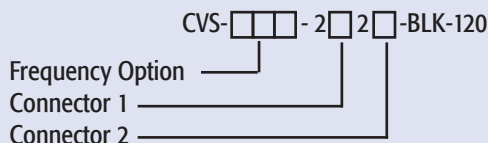
The antennas are available for different Cellular bands. The latest PCB technology provides excellent performance on all bands.

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
	5 dBi nominal RHCP Antenna	Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G TIA-329.2-C
VSWR:	2:1 max over all bands	Water Ingress:	IPx7
Noise Figure:	2.0 dB max, 1.7 dB typical		
Operating Temp:	-40° to +85° C		
Nominal Impedance:	50 ohms		