MobileMark
antenna solutions

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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

CVS-☐☐☐-2☐2☐-BLK-120

- Frequency Option
- Connector 1
- Connector 2

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