



CVT Series Covert Antennas

## Covert Antenna

For Cellular, 900 GSM, ISM & PCS

- Halfwave 2 dBi gain styles with flexible radome
- Low profile; perfect for covert use
- Fully waterproof & durable radome
- Models for popular frequency bands from 800 MHz to 1.9 GHz

These antennas have been designed for covert use in a vehicle. The CVT Series consists of a rubber duck style antenna with a pencil thin slim-line radome and a cable pigtail for easy connection. The antenna provides 2 dBi gain performance.

The antennas are ground plane independent and can be mounted in a variety of locations; both inside and outside a vehicle. They can be installed behind a rearview mirror, or under a dashboard or rear window deck/shelf. For external applications, appropriate locations might include under rubber bumper strips, or inside side mirrors. The antennas are fully waterproof.

When mounting the antenna, care should be taken to ensure the antenna is positioned so that no metal or metalized finish obstructs the radiation pattern of the antenna.

The CVT series is covered with a black flexible Santoprene radome. This model is normally provided with 8 ft

of RG-174 cable (2.5 meters). Most popular connectors are available.

### Model Numbers

Model	Band(s)	Connector
CVT-900S	US Cellular (850 band)	SMA
CVT-900T	US Cellular (850 band)	TNC
CVT-925S	900 GSM/ISM/Mobitex/RFID	SMA
CVT-925T	900 GSM/ISM/Mobitex/RFID	TNC
CVT-1800S	1800 Band EU GSM	SMA
CVT-1800T	1800 Band EU GSM	TNC
CVT-1900S	1900 Band PCS/GPRS	SMA
CVT-1900T	1900 Band PCS/GPRS	TNC

Special configurations available upon request. Please consult factory for details/availability.

### Specifications

#### Frequency:

Cellular/CDPD	824-894 MHz
GSM (& ISM/Mobitex)	870-960 MHz
1800 Band/EU GSM	1710-1850 MHz
1900 Band/US PCS	1850-1990 MHz

#### Gain:

2.3 dBi max

#### Bandwidth@2:1 VSWR:

See freq range above

#### Impedance:

50 Ohm nominal

#### Maximum Power:

10 Watts

#### Cable:

RG-174, 8 ft (2.5 meters)

#### Connectors:

TNC or SMA Male based on model

#### CVT Series Whip Length:

CVT-900	8 inches (203 mm)
CVT-925	7 inches (177 mm)
CVT-1800	6 inches (152 mm)
CVT-1900	6 inches (152 mm)

#### Operating Temp:

-40° to +85° C

#### Material:

Santoprene radome

#### Other:

Special cable lengths or RF connector configurations are available, inquire for details