

CVL-WB2

COMPACT COVERT 5G/LTE ANTENNA

PRODUCT OVERVIEW

The CVL-WB2 Series Covert Antenna covers 5G/LTE from 617 - 960 MHz & 1700 - 7200 MHz. The 5G ready antenna solutions make it possible to connect to any of the current or planned cellular frequency bands that reside within that range. Although this antenna was designed for Cellular, it could also be used for WiFi 6e covering the 2.4, 5 and 6 GHz band.

The antenna features an over-molded plastic radome made from UV stable polyamide that allows some flexing of the antenna case in addition to impact and weather protection. This flexibility, along with the antenna's slim profile, allows it to fit into a wide variety of mounting locations. The CVL-WB2 has a very slim profile: the depth of the antenna is less than 0.22" (5.6 mm). The overall dimensions are also small. The antenna is approximately 5.70" (145 mm) long, including the mounting holes, and 1.54" (39 mm) wide.

It is an excellent choice for 5G ready mobile hotspots or Industrial IoT networks requiring a discreet, low profile antenna solution. This antenna can be used indoors or outdoors and can be mounted with double sided tape.

This 5G ready solution can be used in many environments including vehicles, NEMA boxes, and outside sensing location.

This covert antenna can be mounted to the outside of a metallic container. It can also be mounted to either the inside or the outside of a non-metallic container such as a plastic or fiberglass NEMA box.

Visit our [eStore](#) to customize an Antenna Online.

Electrical Specifications	
Frequency	617 - 960 MHz & 1700 - 7200 MHz
Gain	2 dBi
VSWR	2.5:1 Typical, Max 3:1
Impedance	50 Ohm Nominal
Power Rating	10 Watts
Mechanical Specifications	
Radome Material & Color	UV Stable Polymide, Available in Black
Radome Dimension	0.22" (5.6 mm) Thickness 1.54" (39mm) Width & 5.70" (145 mm) in Length
Standard Connector	1x SMA Plug (Male) Other Options Available Including Rev Pol SMA Plug
Cable	8 Feet (2.4 m) LMR-100 Cable
Operating Temperature	-40° to +80° C
Mounting	Two Built-In Mounting Holes 0.19" (7.8 mm) in Diameter or Double Sided VHB Tape.
Water Ingress	IP67 (When Properly Mounted)
Shock and Vibration	IEEE1478, EN61373, MIL-810G, TIA 329.2-C
RoHS Compliant	Yes



CVL - WB2 - 7 C - B L K - 9 6
 Cable/Connector
 Color
 Cable Length (in inches)

HIGHLIGHTS:

- 5G/LTE Sub-6 Coverage: 617 - 960 & 1700 - 7200 MHz
- Backwards Compatible for 4G LTE
- Slim Profile
- WiFi 6E Compatible
- Made-in-the-USA & UK

RELATED MODELS:

- CVWG-WB2 (5G/LTE, Compact Antenna)
- PSKN5-626 (5G/LTE, Device Antenna)
- CVL-WLF (4G LTE, Same Radome)
- CVWG-LTE (LTE & GNSS)

COMMON APPLICATIONS:

- Vehicle or Fixed Site
- Settings with Low Profile Requirements
- Industrial IoT
- Locations with Harsh Environments



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