



BLDE-DB-CEL/PCS Installation Considerations BLADE, 806-960 / 1710-1990 MHz Antennas

BLDE-DB-CEL/PCS

VERIFY:

Part List: The package includes an antenna, cable, and connector for the two way-radio. Use only the components supplied with the antenna (Refer to Figure 1).

Bandwidth: The antenna is 154 MHz wide between 806 to 960 MHz, and 280 MHz wide between 1710-1990 MHz unless otherwise specified.

DO NOT ATTEMPT TO TUNE THIS ANTENNA!

Tip: Aftermarket tint must be removed before installation. OEM tint will not affect the performance of this antenna.

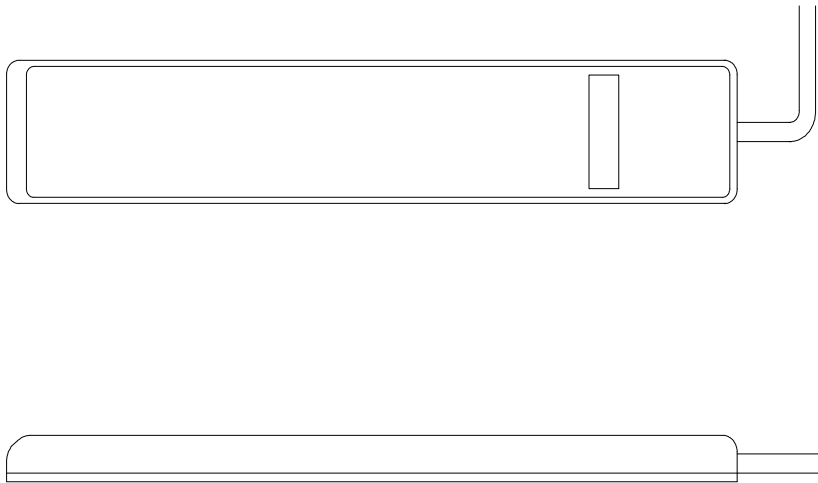


Figure 1 – General Assembly



INSTALLATION:

Preparation: The antenna base and automotive glass must be heated to between 60° and 110° F at the time of installation. A curing time of one hour above 60° F is recommended to achieve maximum bond between adhesive tapes and glass.

1. Select mounting location-front or rear windshield. (For best results, pick a high location).
2. For maximum bond strength clean surface thoroughly with alcohol before installation.
3. Peel backing from one side of the double backed tape on antenna housing (on the back side of the antenna).
4. Place the antenna on the windshield with the adhesive side towards the outside.
5. Route coax to equipment.

TESTING:

Installation testing must take place at the transmitter side of the feedline. Make sure all doors, hood, and trunk are closed.

Note: *STI-CO suggests that you isolate feedlines and check for unwanted interference with the ignition switch on.*

1. **Reflective Power:** A measurement of reflective power using a wattmeter, you can expect up to 11% reflected power. When results are greater than 11%, reposition antenna.
2. **SWR:** A measurement of SWR (standing wave ratio) will yield better than 2:1. If greater than 2:1, reposition antenna.
3. **Continuity:** A test of continuity between the center pin and ground, for this antenna will show as an open.