

# Vehicle Antennas

• JEBSEE •

## AN8250

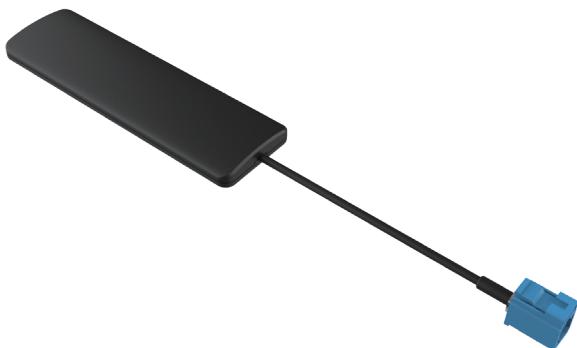
5.9GHz/C-V2X/DSRC

### V2X External Antenna



#### Features

- Dedicated Frequency for C-V2X/DSRC Communication**  
Operates within the 5850 - 5950 MHz range, specifically designed for C-V2X/DSRC communication to enhance vehicle safety through real-time data exchange.
- Easy Installation and Durability**  
Comes with an adhesive backing for quick and secure installation, and an IP67 waterproof rating, ensuring reliable performance in harsh environmental conditions.
- Customizable Connectivity and Cable Length**  
Offers customizable connector types and cable lengths to meet specific customer needs, ensuring seamless integration into various systems.



#### Application

- V2X Communication for Smart Transportation**  
Facilitates real-time communication between vehicles (V2V) and with surrounding infrastructure, devices, and pedestrians (V2X), enhancing traffic safety, efficiency, and integration into intelligent transportation systems.
- Autonomous Vehicle Navigation and Traffic Management**  
Provides reliable communication channels for autonomous vehicle navigation, real-time decision-making, and coordination, improving overall traffic management and road safety in smart city environments.

| Item              | Model No. | AN8250   |
|-------------------|-----------|--|
| Antenna I         |           | 5.9GHz/C-V2X/DSRC                                  |
| Frequency Range   | MHz       | 5850 – 5950  |
| Peak Gain         | dBi       | 5.0 typ.   |
| Efficiency        | %         | 50 typ.  |
| Output VSWR       | :1        | 2.0 max.   |
| Polarization      |           | Linear   |
| Radiation Pattern |           | Omni-Directional                                   |
| Cable             |           | RG-174/U, 300mm (Any Cable Length Available)       |
| Connector         |           | FAKRA-Female (Code Z) (Other Connectors Available) |
|                   |           | Mechanical   |
| Mounting          |           | Adhesive   |
| IP Rating         |           | IP67   |
| Dimensions        |           | 32(W) x 107(L) x 8(H) mm                           |