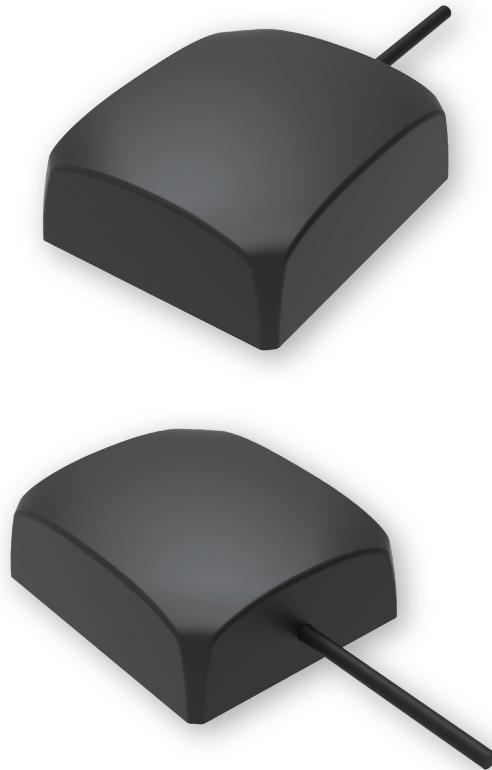


Vehicle Antennas

• JEBSEE •

AN1512

GNSS L1 + L5 External Antenna



GPS/GLONASS/BEIDOU/QZSS/Galileo/L1L5

Features

- High-Performance GNSS Antenna**
Equipped with a 27dB gain LNA and 60dB advanced filtering for L1/L5 bands, this antenna enhances accuracy for GPS, GLONASS, Galileo, and BeiDou systems, making it ideal for RTK and precision-based applications.
- Robust and Waterproof Design**
Built with a durable low-profile enclosure and an IP67 rating, this antenna provides excellent water resistance and long-lasting performance in diverse environments.
- Flexible Mounting Options**
Offers a high-quality magnet for temporary attachment to magnetic surfaces and an adhesive pad for permanent installation on non-magnetic surfaces, ensuring versatile and secure mounting options.

Application

- Vehicle Fleets and Asset Tracking**
Improves fleet management with reliable GNSS connectivity, enhancing asset tracking and operational efficiency.
- Autonomous Vehicles**
Supports precise GNSS data for navigation and control, ensuring accurate performance in autonomous vehicle systems.

| Item | Model No. | AN1512 | |
|-----------------------|-----------|--|---------------|
| Antenna I | | GPS/GLONASS/BEIDOU/QZSS/Galileo/IRNSS/L1L5 | |
| Frequency Range | MHz | 1164 – 1188 | 1559 – 1606 |
| Peak Gain at Zenith | dBi | -0.1 | 1.8 |
| Polarization | | RHCP | RHCP |
| Radiation Pattern | | Hemispherical | Hemispherical |
| LNA Gain | dB | 27.0 ± 3.0 | 27.0 ± 3.0 |
| Noise Figure | dB | 3.0 max. | 3.0 max. |
| Output VSWR | :1 | 2.0 max. | 2.0 max. |
| Out-of-Band Rejection | dB | 65 typ. | |
| Saw Filter Type | | Pre-Filter | |
| Current Consumption | mA | 40 max. @ 3.0 – 5.5 VDC | |
| Cable | | RG-174/U, 3000mm (Any Cable Length Available) | |
| Connector | | FAKRA-Female (Code C) (Other Connectors Available) | |
| Mechanical | | | |
| Mounting | | Adhesive | |
| IP Rating | | IP67 | |
| Dimensions | | 42(W) x 50(L) x 16.6(H) mm | |