

Vehicle Antennas

• JEBSEE •

AN1512

GPS/GLONASS/BEIDOU/QZSS/Galileo/L1/L5

GNSS L1 + L5 External Antenna

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.

Model No.		AN1512	
Item		GPS/GLONASS/BEIDOU/QZSS/Galileo/IRNSS/L1/L5	
Antenna I			
Frequency Range	MHz	1164 – 1188	1559 – 1606
Peak Gain at Zenith	dBic	-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