

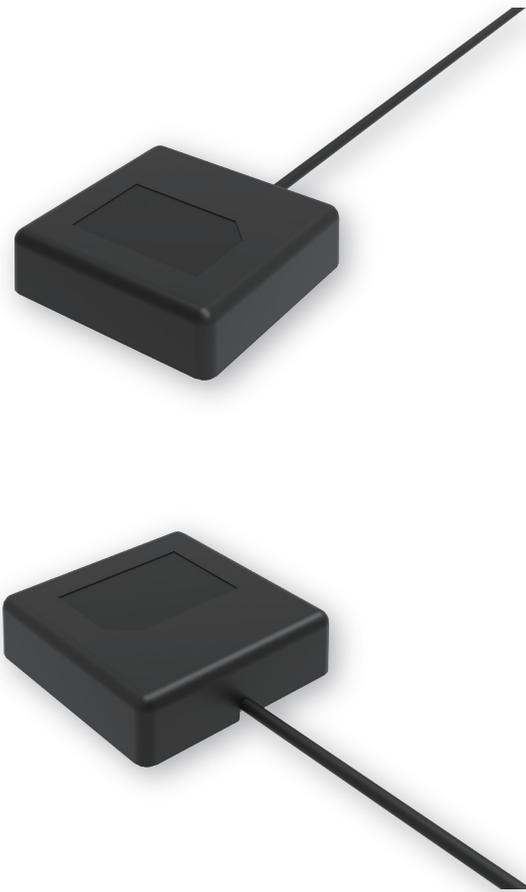
Vehicle Antennas

JEBSEE

AN1514

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

GNSS L1/L5 External Antenna



Features

- Advanced Multi-Frequency GNSS Support**
 This antenna supports GPS, GLONASS, Galileo, and BeiDou systems across L1 and L5 frequencies, ensuring precise and reliable positioning.
- Dual-Feed Design for Superior Signal Quality**
 This antenna features a dual-feed design optimized for low axial ratio, ensuring superior signal reception and minimal multipath interference across the entire L-Band spectrum.
- Front-End SAW Filter for Noise Rejection**
 Minimize interference from nearby cellular transmitters and other sources with the integrated SAW filter, ensuring consistent performance even in challenging environments.
- High-Precision Positioning, Miniaturized**
 This revolutionary single-layer antenna delivers exceptional multi-band GNSS performance in a remarkably compact size, ideal for applications where space is limited and accuracy is critical.

Application

- Electric and Autonomous Vehicles**
 Provides precise GNSS data for navigation, safety systems, and autonomous control in electric and self-driving vehicles.
- Fleet Management and Asset Tracking**
 Enables real-time vehicle tracking and route optimization for efficient fleet management.
- High-Precision Mapping**
 Ideal for surveying and mapping applications requiring accurate and reliable GNSS positioning.

Model No.		AN1514	
Item		GPS/GLONASS/BEIDOU/QZSS/Galileo/IRNSS/L1/L5	
Antenna I		GPS/GLONASS/BEIDOU/QZSS/Galileo/IRNSS/L1/L5	
Frequency Range	MHz	1164 – 1188	1559 – 1606
Gain at Zenith	dBic	2.96	4.01
Axial Ratio	dB	0.27 – 1.50	1.0 – 1.80
Polarization		RHCP	RHCP
Radiation Pattern		Hemispherical	Hemispherical
LNA Gain	dB	28.0 ± 3.0	28.0 ± 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		IP51	
Dimensions		50(W) x 50(L) x 15(H) mm	