

UAV/UGV Antennas

• JEBSEE •

AN1523

GNSS L1/L5 Helix External Antenna



Features

- Ultra-Low Profile and Lightweight Design**
 Lightweight body and slim design, easily integrated into space-constrained devices such as UAVs, surveying instruments, and monitoring equipment.
- Superior Multi-GNSS and Multi-Frequency Support**
 Fully supports GPS, GLONASS, GALILEO, BeiDou, and other satellite systems and frequency bands, offering more reliable and accurate positioning.
- Excellent Anti-Interference Performance**
 Optimized circuitry and a robust low noise amplifier effectively suppress out-of-band interference and resist electromagnetic interference, ensuring signal purity.

Application

- Precise UAV Positioning and Navigation**
 Offers high-precision, high-reliability positioning and navigation for UAVs, suitable for aerial photography, remote sensing, infrastructure inspection, etc.
- High-Precision Surveying and Geospatial Data Acquisition**
 Meets professional surveying needs for high-precision positioning in topographic surveying, cadastral surveys, engineering measurements, and data acquisition.

Model No.		AN1523			
Item					
Supported GNSS Bands	GPS	<input checked="" type="checkbox"/> L1	<input type="checkbox"/> L2	<input checked="" type="checkbox"/> L5	
	GLONASS	<input checked="" type="checkbox"/> G1	<input type="checkbox"/> G2	<input type="checkbox"/> G3	
	Galileo	<input checked="" type="checkbox"/> E1	<input checked="" type="checkbox"/> E5a	<input type="checkbox"/> E5b	<input type="checkbox"/> E6
	BeiDou	<input checked="" type="checkbox"/> B1C	<input checked="" type="checkbox"/> B1I	<input checked="" type="checkbox"/> B2a	<input type="checkbox"/> B2b <input type="checkbox"/> B3
	L-band	<input type="checkbox"/> L-band			
	QZSS	<input checked="" type="checkbox"/> L1	<input type="checkbox"/> L2C	<input checked="" type="checkbox"/> L5	<input type="checkbox"/> L6
	IRNSS	<input checked="" type="checkbox"/> L5			
	SABS	<input checked="" type="checkbox"/> L1/E1/B1	<input checked="" type="checkbox"/> L5/B2a/E2a	<input checked="" type="checkbox"/> G1	<input type="checkbox"/> G2 <input type="checkbox"/> G3
Frequency Range	MHz	1164-1186		1559 – 1606	
Gain at Zenith	dBic	2.0 typ.		2.5 typ.	
Axial Ratio	dB			3.0 max.	
Polarization				RHCP	
Radiation Pattern				Hemispherical	
LNA Gain	dB			28.0 ± 3.0	
Noise Figure	dB			2.0 max.	
Output VSWR	:1			2.0 max.	
Saw Filter Type				Pre-Filter	
Current Consumption	mA			55 max. @ 3.0 – 5.5 VDC	
Connector				SMA Male	
		Mechanical			
Mounting		Direct Mount			
IP Rating		IP67			
Dimensions		Ø 34.3 * H 60.7 mm			