

LH-105A2-B Specification



High Performance Helix Antenna

LH-105A2-B is an active dual-frequency GNSS antenna for L1 and L5 bands of GPS/QZSS, GLONASS, GALILEO, BEIDOU and IRNSS. The antenna is light and low power consumption that is ideal for applications requiring RTK level positioning accuracy, such as self-driving vehicle, drone display, aerial photography, high precision mapping, remote sensing, traffic control and public security.

| Passive antenna performance | |
|-----------------------------|--|
| Frequency | GPS/QZSS: L1, L5 GLONASS: L1 GALILEO: E1, E5a BEIDOU: B1I, B2a IRNSS: L5 |
| Polarization | RHCP |
| Axial ratio | ≤ 3 dB |
| Peak gain | 0.5 dBi |
| RF specification | |
| Conducted gain | 26 ± 3 dB |
| Noise figure | ≤ 2 dB |
| Output impedance | 50 Ω |
| Out of band rejection | 40 dB |
| Operating voltage | 2V ~ 6V |
| Operating current | 6.7 mA |
| ESD | Air ± 15 KV, contact ± 8 KV |
| Mechanical specification | |
| Connector type | SMA male |
| Dimension | 27.5D x 59H mm |
| Weight | ≤ 17 g |
| Environment | |
| Operating temperature | -40 ~ 85 °C |
| Storage temperature | -40 ~ 85 °C |
| Waterproof | IPX7 |

