

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

