

PRODUCT SPECIFICATION

KC.EX.00100 L1L2L5 Antenna

version: V3.



Product specification

Features

The antenna part adopts multi-feed point design and precise antenna structure, with stable phase center, completely reducing the number of days

The influence of line on the measured workpiece;

The antenna gain is high, the pattern beam is wide, and the reception effect of low elevation angle signals is good, ensuring that some gaps are relatively tight.

In severe cases, stars can be collected normally;

The antenna is equipped with an anti-multipath suppression flow plate. It has an anti-surge design and can effectively suppress out-of-band strong interference signals.

Product specification

Protect the antenna;

Designed with a lightweight solution, the traditional antenna has a lighter weight as the weight increases;

The shell is designed with solid materials, which is both beautiful and ensures that the antenna shell remains unchanged for long-term outdoor use.

color, with IP67 protection grade design.

Application

It is widely used in various industrial applications such as measurement and mapping, deformation monitoring, driving test and driving training, mobile mapping, engineering machinery control, precision agriculture, automatic driving, outdoor robots, differential base stations, etc.

Main Technical Parameters

Antenna Specifications

Frequency Range (MHz)	GPS L1/L2/L5 GLONASS L1/L2 BDS B1/B2/B3 GALILEO E1/E5b
Gain (dBi)	<5.5
Antenna AR (dB)	≤3.0
Phase center error (mm)	±2
Polarization	RHCP Right-hand circular polarization
Port Impedance	50Ω

Electrical Specifications

LNA Gain (dB)	40±2
Noise figure (dB)	≤2.0
VSWR	≤2.0

Product specification

Operating voltage (V)	3.3V-12.0V
Operating current	≤45mA
Structural Characteristics	
Connector type	TNC-K
Antenna size (mm)	Φ154*64.2
Installation method	5/8" thread
Weight(g)	≤300
Working Environment	
Operating temperature (°C)	-40 - +75
Storage temperature (°C)	-55 - +85
Waterproof grade	IP67
Adaptation module	UM482/UM960/UM980/UM982
Product Dimension	

