Kinghelm®

深圳市金航标电子有限公司

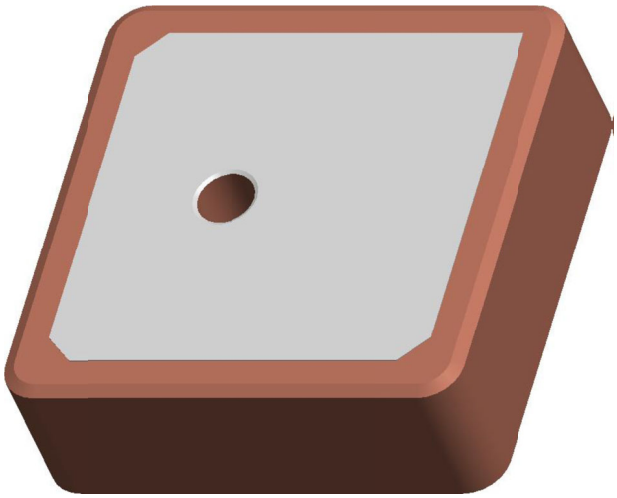
SHENZHEN KINGHELM ELECTRON CO.,LTD.

产品规格书

SPECIFICATION

OF PRODUCTS

料号：KH-SMD121204-WY-KR



图片仅供参考，请以实物为准

1 范围 / SCOPE

本规格书适用于 **GNSS 定位陶瓷天线**（无源/有源），规定其电气、结构及包装要求，作为供需双方通用技术依据。不适用于非定位天线、定制特殊款及配套辅件。

This specification applies to **GNSS ceramic positioning antennas** (passive/active). It specifies the electrical, mechanical structure and packaging requirements, and serves as the general technical basis for both the supplier and the buyer. It is not applicable to non-positioning antennas, custom special models and supporting accessories.

2 产品概述 / General Description

本产品为陶瓷介质 GNSS 定位天线，具备体积小、频率稳定性高、右旋圆极化特性，适用于车载导航、物联网终端、定位追踪器、智能穿戴、工业设备等定位授时场景。

This product is ceramic dielectric GNSS positioning antenna with small size,high frequency stability and right-hand circular polarization,suitable for vehicle navigation,IoT terminal,tracker,wearable device and industrial positioning equipment.

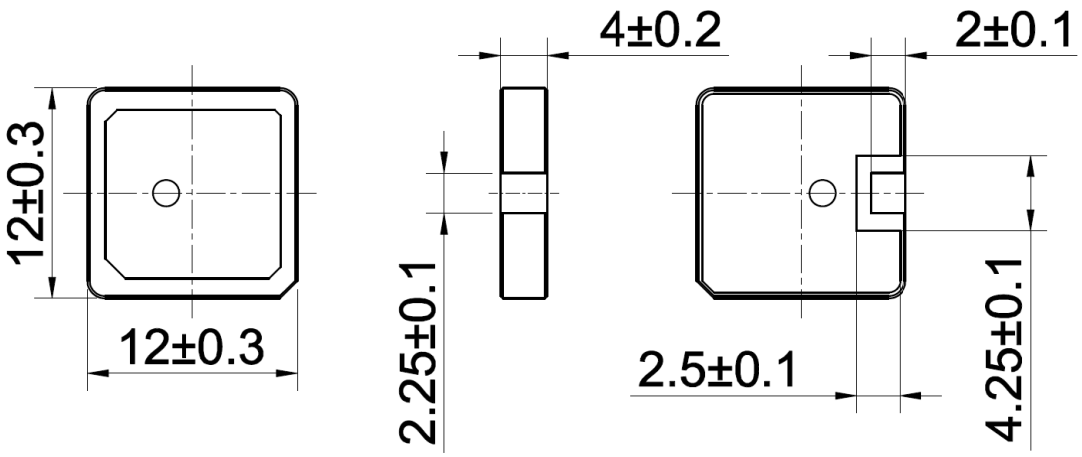
3 尺寸与外观图 / OUTLINE DRAWING AND DIMENSIONS

尺寸单位：mm，未注公差 ±0.1mm；外形及引脚以附图为准，未经书面许可不得变更结构。

Unit:mm,tolerance ±0.1mm if not marked.Outline and pin layout refer to drawing;no structure change without written approval.

陶瓷类型 Ceramic Type	124
尺寸 Dimension	12*12*4
中心距 Feed Point Center Distance	0
馈电个数 Number of Feed Points	0
R 角 Round Corner	3R1、C1

具体公差要求详见外形图



4 电气性能规格 / ELECTRICAL SPECIFICATIONS

项目 Items	规格 Specification
工作频段 Frequency Range	BDS B1、GPS L1、GLONASS L1、GALILEO E1
中心频率（Mhz） Center Frequency	1575.45、1561.098
特性阻抗 Characteristic Impedance	50Ω
驻波比 VSWR	≤2.0
极化方式 Polarization Model	RHCP 右旋圆极化
频率温度系数 Frequency Temperature Coefficient	≤-40 ppm/°C
标准测试接地板 Standard test ground plane	25×25mm

天线电气性能受 PCB 接地板尺寸、净空环境、周边金属结构影响较大。天线安装区域需远离金属壳体、电池、高频强干扰电路。 Antenna performance is greatly affected by PCB ground plane size,clearance environment and surrounding metal structure. Keep antenna away from metal shell,battery and high interference circuit.