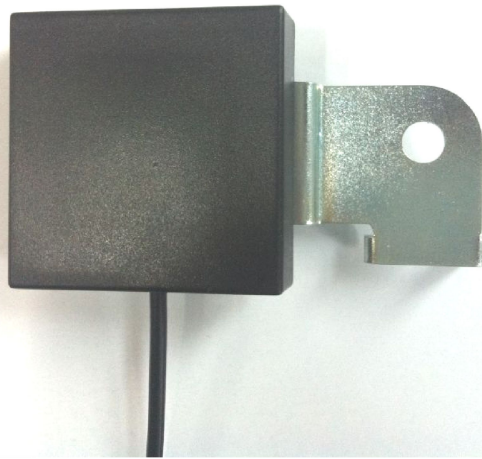


APPROVAL SHEET

PRODUCT NAME	CUSTOMER APPROVED BY
JCA419	
CUSTOMER NAME OR MODEL	APPROVED DATE

SPECIFICATION /规格书



Part Number: JCA419

Product Name: GPS Active Antenna

VERSION INFORMATION

VERSION	DATE	REVISION DESCRIPTION	PREPARED	CHECKED	APPROVED
V1.0	2015-04-16	New Issued			

PREPARED BY

CHECKED BY

APPROVED BY

王滨滨

傅胜明

陈小忠

1. Electrical Characteristics/电气参数**① Antenna/天线**

Item	Specifications	
Antenna	Center Frequency/中心频率	1575.42 ± 3MHz
	Band Width/带宽	> 10MHz
	Polarization/极化	RHCP
	Gain/增益	3dBic@70*70mm ground plane
	V.S.W.R/电压驻波比	< 1.5:1
	Impedance/阻抗	50 Ω
	Axis Ratio/轴比	≤ 3
	Dimension/尺寸	25*25*4mm

② LNA/低噪声放大器

Item	Specifications	
LNA	Frequency/频率	1575.42MHz
	Gain@3.3V/增益	28 ± 2dB
	Noise Figure/噪声系数	< 1.5dB
	Supply Voltage/供电电压	3~5V DC
	Current Consumption/电流消耗	< 15mA
	Out V.S.W.R/输出驻波比	< 2.0

2. Material/材质

Item		Specifications
Material	RF Cable/射频连接线	RG174 L=650±30mm
	RF Connector/射频连接器	FAKRA or others
	Radome Material/天线罩材料	ABS
	Ground Board Material/接地板材料	SPCC
	Antenna/天线	Dielectric Ceramics/介质陶瓷

3. Testing Conditions/测试条件

Item		Specifications
Environmental	Operating Temperature/工作温度	-40℃~+85℃
	Storage Temperature/储存温度	-40℃~+90℃
	Relative Humidity/相对湿度	All of the specifications in Item 1 is to be satisfied after antennas exposed to +60℃±5℃/90%~95%RH for 96H, and then to temperature/humidity of Item 1 for 2H. 天线放于60℃±5℃/90%~95%RH环境中96小时，再在常温、常湿下放置2小时，天线电气性能不变
	Packing Drop Test/包装跌落测试	A single antenna drops with height 1.2M and marble platform, down ten times in accordance with the order of six-sided triangular corner 将单个天线，跌落高度为1.2M，大理石平台，按照一角三棱六面顺序共跌十次



Jinchang Electron Global Service



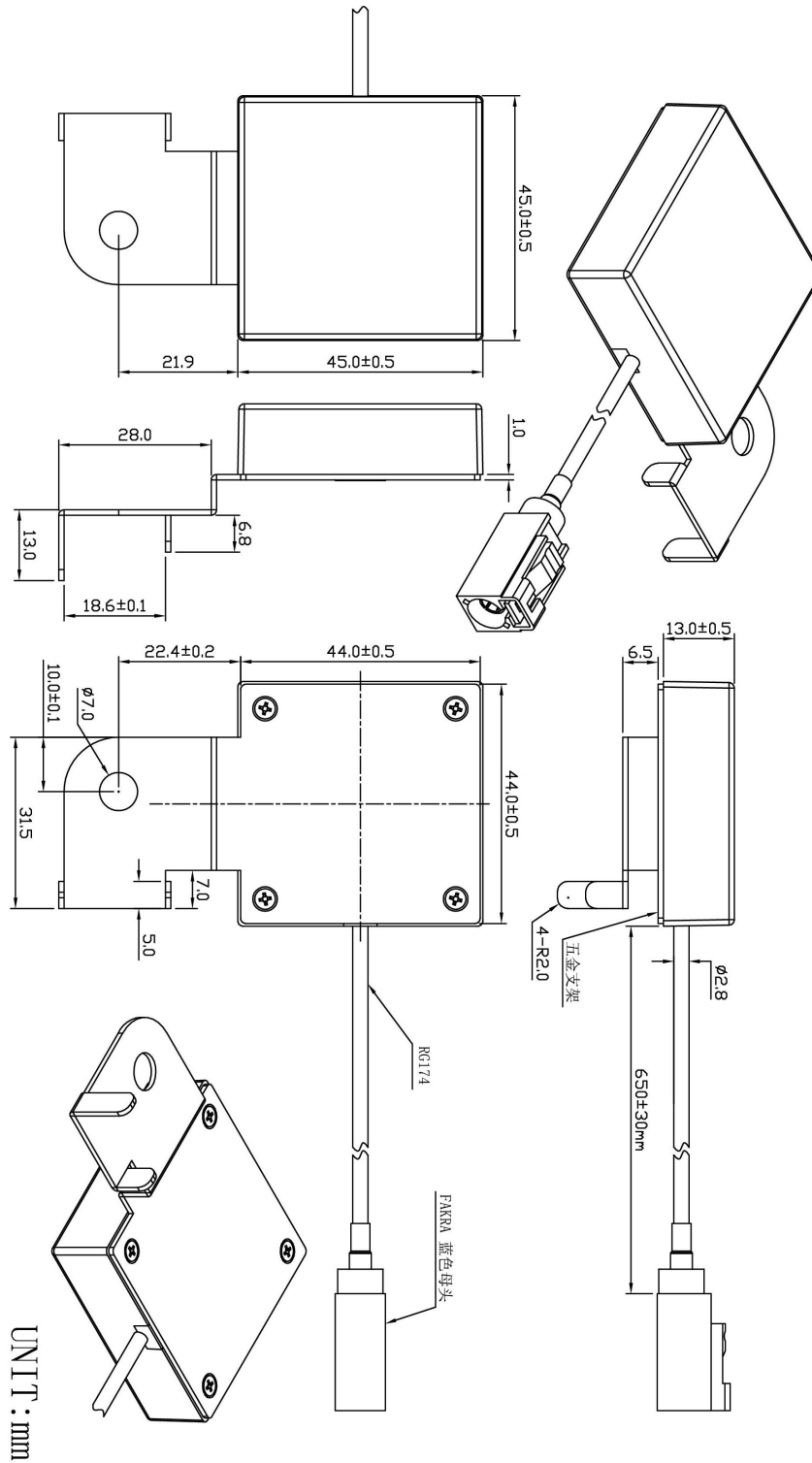
JIAXING JINCHANG ELECTRONIC TECHNOLOGY CO.,LTD

Add: 398#, Zhenye Road, South Street, Jiaying, Zhejiang, China

Http://www.jinchanggps.com E-mail:jcgps@vip.163.com

Tel: 86-0573-83692157/83692605/83958637 Fax:86-0573-83958635

4. Structure/成品结构图



5. Packaging Specifications/包装

