

APPROVAL SHEET	
PRODUCT NAME	CUSTOMER APPROVED BY
JCA005S	
CUSTOMER NAME OR MODEL	APPROVED DATE

## SPECIFICATION /规格书



Part Number: JCA005S

Product Name: GPS&BD Timing Antenna

### VERSION INFORMATION

VERSION	DATE	REVISION DESCRIPTION	PREPARED	CHECKED	APPROVED
V1.0	2016-3-20	New Issued			

<b>PREPARED BY</b>	<b>CHECKED BY</b>	<b>APPROVED BY</b>
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## 1. Electrical Characteristics/电气参数

Item		Specifications
Antenna	Frequency Range/频率范围	1561.098~1575.42MHz
	Band Width/带宽	≥15MHz
	Polarization/极化	RHCP
	Gain/增益	≥5dBic@70*70mm GP
	V.S.W.R/电压驻波比	≤1.5:1
	Impedance/阻抗	50 Ω
	Axis Ratio/法向轴比	≤3dB
LNA	Gain/增益	30 ± 2dB
	Noise Figure/噪声系数	≤1.2dB
	Voltage/电压	3~5.5 V
	Current/电流	<30mA
	V.S.W.R/电压驻波比	<2:1
	Band Rejection/带外抑制	≥45dB @ CF ± 50MHz

## 2. Material/材质

Item		Specifications
Material	RF Connector/射频连接器	SMA or others
	PCB Material/线路板材料	FR4
	Antenna/天线	Dielectric Ceramics/介质陶瓷
	Radome Material/天线罩材料	ABS
	Cable/同轴电缆	RG174 L=5m

### 3. Environmental Conditions/环境条件

Item	Specifications	
Environmental	Operating Temperature/工作温度	-40°C~+80°C
	Storage Temperature/储存温度	-40°C~+85°C
	Vibration/振动	10 to 55Hz with 1.5mm amplitude 1 hours
	Relative Humidity/相对湿度	Up to 90%
	Ingress Protection/防护等级	IP 67
	Surge resistance/浪涌保护	±2KV IEC61000-4-5

### 4. Structure/成品结构图

