



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Quad-Band Antenna for World-Wide Use

### Features

#### GPS

- 1575.42MHz
- Gain: 28dB typical
- iPex/UFL Connector
- Operates from 2.8–5.5V
- RHCP: Right Hand Circular
- Operating temp -35 to +95°C



#### GSM

- Quad Band Antenna
- Active gain: +2-3dBi
- VSWR <2.5:1
- Vertical Polarisation
- iPex/UFL Connector
- Operating temp -35 to +95°C

#### Applications

- Automotive GSM and GPS Systems
- Covert GSM / GPS Systems
- Embedded GSM and GPS Applications

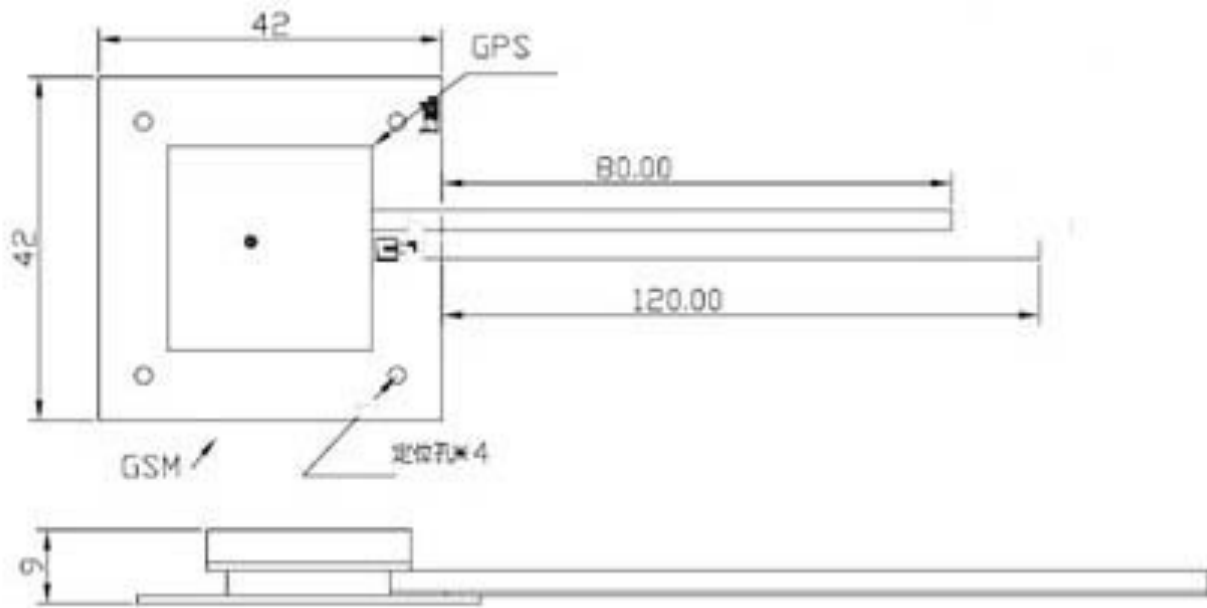
### Description

A Rugged integrated antenna with high performance . This antenna provides total GSM and GPS coverage anywhere in the world. It is ideal for any embedded application or where a small space is available.

### Ordering Information

Part Number	Description	Weight	Operating Temp
ANT-GSMGPSPCB	GSM / GPS Combo Antenna	190g	-30 to +80°C

## Mechanical Detail



### GPS

- 1575.42MHz +/- 1MHz
- Gain: 28dB typ
- Noise Figure 1.5max
- VSWR <2.5:1
- Attenuation 20dBmin at fo +/- 50MHz
- 50ohm Impedance coax 80mm
- iPex/UFL Connector
- Power 2.8–5.5V / 28mA
- Polarisation: RHCP

### GSM

- Quad Band Antenna  
824-960 /1710-1990MHz
- Active gain: +2 - 3dBi
- VSWR <2.5:1
- 50ohm Impedance coax 120mm
- Vertical Polarisation
- iPex/UFL Connector
- Max Power 10W
- Operating temp -35 to +95°C

## **RF Solutions Ltd. Recycling Notice Meets the following EC Directives:**

### **DO NOT**

Discard with normal waste, please recycle.

### **ROHS Directive 2002/95/EC**

Specifies certain limits for hazardous substances.

### **WEEE Directive 2002/96/EC**

Waste electrical & electronic equipment. This product must be disposed of through a licensed WEEE collection point. RF Solutions Ltd., fulfills its WEEE obligations by membership of an approved compliance scheme.

### **Waste Batteries and Accumulators Directive 2006/66/EC**

Where batteries are fitted, before recycling the product, the batteries must be removed and disposed of at a licensed collection point.

Environment Agency producer registration number: WEE/JB0104WV.

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