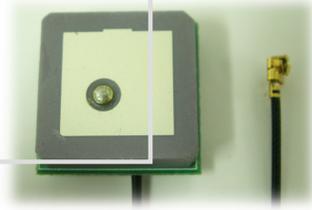


GPS Active Antenna

GA-112

GA-112 is an ideal active GPS antenna for your embedded system applications. With 19 x 19 x 5 mm in size, it best fit into your GPS system with maximum performance, also an idea combination for all your GPS applications.



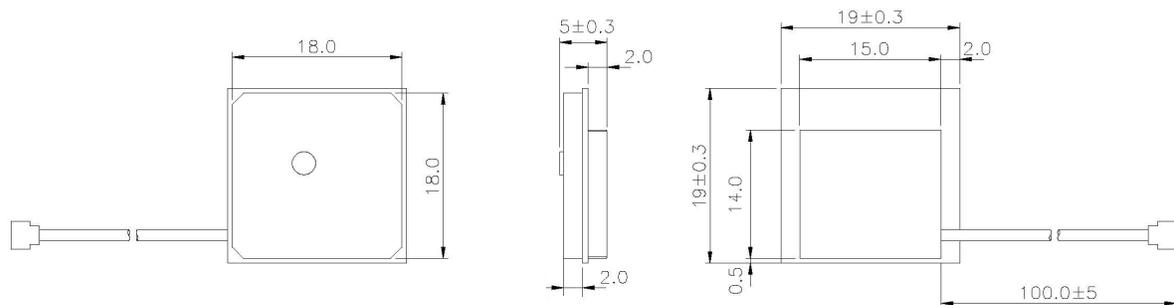
Key Features :

- Small form factor: 19 x 19 x 5 mm
- Lead-Free – RoHS/WEEE compliant
- High gain up to 15dB
- Low power consumption
- 100mm cable with I-Pex connector

Applications :

- Handheld devices
- Automotive and Marine Navigation
- Automotive Navigator Tracking
- Emergency Locator
- Geographic Surveying
- Personal Positioning
- Sporting and Recreation
- Embedded applications : PDA, DSC, Smart phone, UMPC, PND, MP4

Dimension :



Top View

Bottom View



TRANSYSTEM INC.

An A+ supplier of RF microwave & GPS products

Ultimate
Antenna

GA-112 Specifications

| Item | Symbol | Specification | Unit | Note |
|-----------------------|----------|---------------|------|--------------------------------------|
| Central Frequency | f_c | 1575±3 | MHz | |
| Output Impedance | Z_o | 50 | Ohm | At f_c |
| Antenna Gain | G_A | 1 | dB | Based on ground size 50x50mm size |
| LNA Gain | G_L | 15 | dB | |
| Noise Figure | NF | 1.3 | dB | |
| In Band Flatness | | 1 | dB | |
| Output VSWR | | 2.0 max | | At f_c |
| Supply Voltage | V_{cc} | 3.0±5% | Vdc | |
| Power Consumption | I_{cc} | <3 | mA | |
| Operating Temperature | T_{op} | -30 ~ +85 | °C | |
| Storage Temperature | T_s | -40 ~ +125 | °C | |
| Operating Humidity | | ≤ 95% | | Non-condensing |
| Dimension | | 19 x 19 x 5 | mm | |

Note : 1. Standard testing conditions are 25°C, 3V V_{cc} , 65% RH
2. Specifications are subject to exterior case supplied by customer.

*Specifications subject to change without prior notice.
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No.1-2 Li-Hsin Rd.I, Science-Based
Industrial Park, Hsinchu, Taiwan
T: +886-3-5780393 / F: +886-3-5784111
gps.sales@transystem.com.tw