

GPS Active Antenna

GA-722

GA-722 is an ideal active antenna for your GPS system applications. With 42 x 35 x 14 mm in size, it best fit into your system with maximum performance.

Key Features :

- Small form factor & light weight
- GPS band
- Lead-Free – RoHS/WEEE compliant
- LNA gain of 27dB*
- Low noise figure
- Build-in filter with high out of band rejection
- Connector selection : Fakra SMB plug, SMA-M, IPex
- RG174 cable 5M or 3M
- Wide power supply range
- Low power consumption
- IPX67 waterproof*
- Magnetic mount*

* Selective models



Applications :

- Automotive and Marine Navigation / Tracking
- Emergency Locator
- Geographic Surveying

PRELIMINARY



TRANSYSTEM INC

An A+ supplier of RF microwave & GPS products

Ultimate

EB

Specifications

Category	Item	GA-722 (GPS only)
Look & Feel	Size (WxLxT)*	42x35x14 mm (with casing)
	Weight	< 45g (w/o cable)
	Mounting	Magnetic mount (with casing)
	Cable*	RG174, 5M or 3M
	Connector*	SMB Fakra plug, SMA-M, IPex
Patch	Frequency	1575.42 ±1.023MHz
	Dimension	25x25x4 mm
	Polarization	RHCP
	Bandwidth	10MHz min
	Peak Gain	4dBic typ
	Axial Ratio	3.0 dB max
	VSWR	1.5 dB max
	Impedance	50Ω
LNA	Gain*	27dB typ @3.3V / +25°C, w/o cable
	Noise Figure	1.2 dB typ@+25°C
	Output VSWR	2.0 dB max
	Out of band rejection	40db typ (± 50 MHz)
Power	Supply Voltage	2.7~5.5Vdc
	Supply Current	12mA typ @3.3V
Environment	Operating Temp.	-40 ~ +85°C
	Storage Temp.	-40 ~ +125°C
	Humidity	5% to 90% non-condensing
	Waterproof	IP67 (with casing)
	ESD	8KV pass
	Certification	RoHS

Note : 1. Standard testing conditions are 25°C, 3V Vcc, 65% RH

2. Specifications subject to change without prior notice.

3. Items with “*”, please refer to ordering info.

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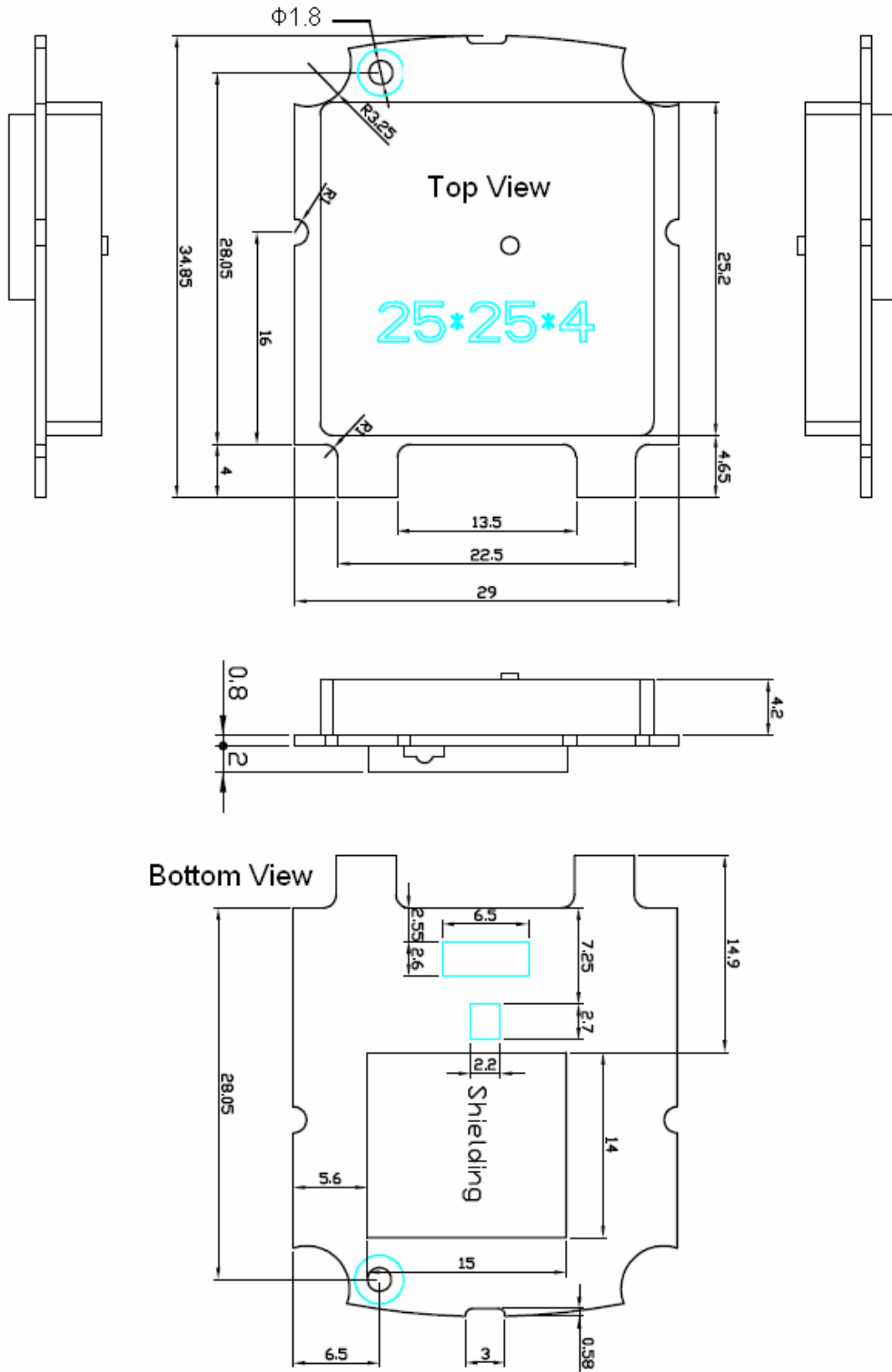
Order information

Model #	Cable Length	Connector	Casing	Dimension	LNA Gain
GA-722A	100mm	IPex	No	35x29x7 mm	14dB typ
GA-722B	3M	SMA-M	Yes	42x35x14 mm	27dB typ
GA-722C	5M	SMA-M	Yes	42x35x14 mm	27dB typ
GA-722D	5M	SMB Fakra plug	Yes	42x35x14 mm	27dB typ

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Outline Drawing

GA-722A Outline Drawing



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