

## GA-88P      GPS Active Marine Antenna

- ❑ Marine standard high-gain antenna
- ❑ Screw mount with pedestal supplied
- ❑ +2.5 ~ 5.5 V DC antenna power
- ❑ Excellent antenna signal amplification
- ❑ Excellent out-of-band rejection for that
- ❑ Fully waterproof



### General

The GA-88P is a high-gain GPS antenna designed for marine vessels or tall buildings that require long extra cables without signal constraint to the GPS receiver

It integrates a high performance GPS patch antenna and a low noise amplifier into a fully waterproof enclosure

When connected to a GPS receiver with 2.5 ~ 5.5 V DC antenna-power it provides excellent antenna signal amplification and out-band filtering

# GA-88P Specification

## **Mechanical Data:**

Ø in mm (DxH)	80 x 72
Weight	120 gram (without cable)
Standard Mounting	External flagpole mount (1" screw thread) including pedestal mount.
Optional Mounting	On enquiry
Construction	Enclosure Center feeds TNC connector for antenna output

## **Environmental Conditions:**

Operating Temp.	-30°C ~ +80°C
Storage Temp.	-40°C ~ +100°C
Relative Humidity	40% to 95% non-cond.
Waterproof	100% waterproof

## **Antenna element:**

Center Frequency	1575.42 +/- 1.023 MHz
Polarization	R.H.C.P
Absolute Gain@ Zentith	+5 dBi typically
Gain at 10° Elevation	-1 dBi typically
Axial ratio	3 dB max.
Output VSWR	1.5:1 max
Output Impedance	50 Ω

## **Low noise Amplifier:**

Center Frequency	1575.42 +/- 1.023 MHz
Power Gain	28 +/- 4.5 dB
Band With	2 MHz min.
Supply Voltage	2.5 ~ 5.5 V DC
Current Consumption	13 mA @ 3.0 V DC 18 mA @ 5.0 V DC
VSWR	1.5 max.
Output Impedance	50 Ω

## **Cable & Connector:**

RF Cable	RG58 A/U
Pulling Strength	12kg for 5 sec
Connector available	BNC, TNC, other types available upon request.

## **Overall Performance:**

Center Frequency	1575.42 MHz
Gain	30 +/-4.5 dB
Noise Figure	2.0 max.
Band With	2 MHz
Axial Ratio	3 dB max.
VSWR	1.5 max.
Output Impedance	50 Ω

## **Ordering Information:**

**GA-88P** 5m RG-58 cable, no connector

**GA-88P:A** 10m cable, TNC connector

Other versions on enquiry

## **Contact us:**

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