

## Active Marine GPS Antenna



### PRODUCT INFORMATION

Marine Antenna	
Model Name	AP157P1-SN(A)
Brand Name	APEX

### PRODUCT SPECIFICATIONS

Electrical	
Frequency	1575.42MHz+/-1.023MHz
Polarization	R.H.C.P. (Right Handed Circular Polarization)
Absolute Gain @ Zenith	+ 5 dBi typ.
Gain @ 10° Elevation	- 1 dBi typ
Axial Ratio	3 dB max.
Output VSWR	1.5:1 max.
Output Impedance ( $\Omega$ )	50 ohm
Power Gain	28 +/-4.5dB
Bandwidth	2 MHz min.
Noise Figure	1.5 max.
Outer Band Attenuation	20 dB min. @ Fo+/-50MHz
Supply Voltages	2.5 to 5.5V DC
Current Consumption	<a href="#">13mA@3.0V</a> DC, <a href="#">18mA@5.0V</a> DC
VSWR	1.5 max.
Overall Performance	
Center Frequency	1575.42MHz+/-1.023MHz
Gain	30 +/-4.5dB
Noise Figure	2.0 max.
Bandwidth	2 MHz min.
Axial Ratio	3 dB max.
VSWR	1.5 max.

<b>Environmental Conditions</b>	
IP Rating	IP67
Relative Humidity	40% to 95% non-condensing
Operation Temperature	-40°C ~ +85°C
Storage Temperature	-40°C ~ +85°C

<b>Physical and Environmental</b>		
Constructions		Enclosure Center feeds TNC connector for antenna output
Dimensions	mm	Antenna: 90.5mm(Dia.) x 108.5mm(H)
Weight	pcs/g	150g (without cable)
Cable		10M RG58/U
Connector	-	BNC or others
Standard Mounting	-	Concinnity and solid design

**PACKING**

PE BAG	1 piece in a PE bag
Carton	100 pieces in a Carton

## MECHANICAL OUTLINE

