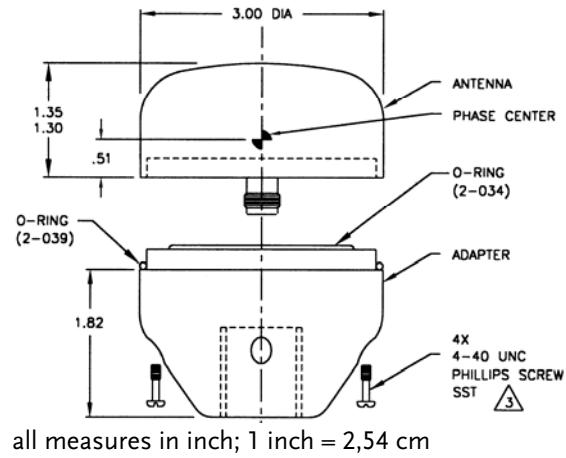




ppm

PRECISE POSITIONING MANAGEMENT



## L1 GPS Antenna AT575-142

The GPS antenna AT575-142 from AeroAntenna Technology, Inc. is a high-quality low cost single frequency GPS antenna with integrated ground plane, ideal for pole mounting.

### Options:

- amplification (gain)  $\pm 2$  dB: 00 (passive), 12 dB (20 mA), 26 dB (35 mA), 40 dB (50 mA), other on request
- input voltage: 5 - 18 VDC
- HF connector: TNC male, BNC male, other on request
- 3/4" NPT internal thread for mounting

### Applications:

- Marine and land navigation
- Hydrographic surveys
- Survey
- Machinery control
- GPS deformation monitoring
- GPS Timing Receiver

## Specification

Frequency	1575 $\pm$ 10 MHz	Amplifier	Finish	weatherable Polymer
Polarization	right hand circular	Noise figure	Dimensions	$\varnothing$ 76,1 mm x 80,5 mm
Axial Ratio	max. 1,5 dB	Impedance	Weight	max. 227 g
Radiation Coverage		VSWR	Operating Temperature	- 55°C to + 85°C
4,0 dBic	$0^\circ = 0^\circ$	Band rejection	Designed to	DO-160C
- 3,0 dBic	$0^\circ < \Theta < 75^\circ$			
- 7,5 dBic	$75^\circ \leq \Theta < 80^\circ$			
- 8,0 dBic	$80^\circ \leq \Theta < 85^\circ$			
- 9,0 dBic	$85^\circ \leq \Theta = 90^\circ$	Power handling		