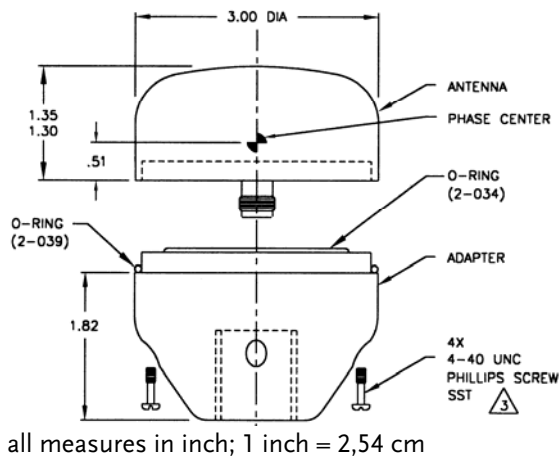


L1 GPS Antenna AT575-142



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) ± 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	max. 2,5 dB	Dimensions	\varnothing 76,1 mm x 80,5 mm
Axial Ratio	max. 1,5 dB	Impedance	50 Ω	Weight	max. 227 g
Radiation Coverage		VSWR	< 2.0 : 1	Operating Temperature	- 55°C to + 85°C
	4,0 dBic $0^\circ = 0^\circ$	Band rejection	30 dB @ 1535 MHz, 60 dB @ 1615 MHz	Designed to	DO-160C
	- 3,0 dBic $0^\circ < \theta < 75^\circ$	Power handling	1 Watt		
	- 7,5 dBic $75^\circ \leq \theta < 80^\circ$				
	- 8,0 dBic $80^\circ \leq \theta < 85^\circ$				
	- 9,0 dBic $85^\circ \leq \theta = 90^\circ$				