

# GPS Antenna Hoods

## Features

- Enclosed Environment, Eliminating the Need for GPS Repeaters
- L1 and L1/L2 Versions  
(24" hood comes standard L1/L2/GNSS)
- Optional 0-30dB Variable Attenuator
- 5", 8.75", and 24" Diameter Versions



## Description

Complete end-to-end testing of GPS systems must include the application's receive antenna. When a GPS repeater is not an option, a cost effective solution is the GPS Source Antenna Hood. At a fraction of the cost of a full blown screen room or anechoic chamber, the GPS Source Antenna Hood (GPSRH) will provide an application's receive antenna with the necessary GPS signals.

Operating in conjunction with an outdoor active antenna and a coaxial cable, the GPS Source Antenna Hood conveys a signal to the application under test. The 0-30dB variable attenuator option gives the additional ability to adjust the signal strength inside the hood.

For more details, please call, email ([sales@gpssource.com](mailto:sales@gpssource.com)), or visit our website ([www.gpssource.com](http://www.gpssource.com)) for further information on product options or specifications.

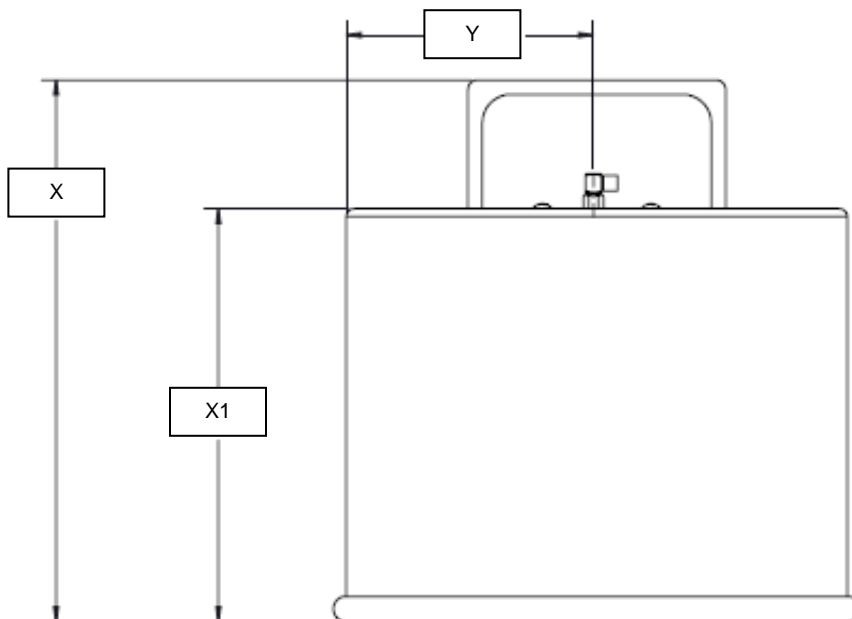
# GPSRHL

## Electrical Specifications, Operating Temperature -40<sup>0</sup> to 85<sup>0</sup>C

Parameter	Conditions	Min	Typ	Max	Units
Frequency Range: (Passband)	Ant – Output = 50Ω	1570	1575	1580	MHz
Out Impedance			50		Ω
Input SWR	Input = 50Ω			2.5:1	-
DC Output Voltage	Powered Option	7.5	9	12	VDC
Current	Variable Attenuation. Option			1	mA
Polarization	Right Hand Circular				

	X (inches)	X1 (inches)	Y (inches)
GPSRHL15	9.20	7.0	2.5
GPSRHL18	9.50	7.2	4.4
GPSRHL24	8.50	6.2	12

Side View



Top View



## GPSRHL

### Part Number

## GPSRHL15 - V - SF

Product:

GPSRHL15: 5 in. O.D. Hood  
GPSRHL18: 8.75 in O.D. Hood  
GPSRHL124: 12 in O.D. Hood

Variable Attenuation\*:

V – 0-30dB Variable Attenuator

Connector Options:

(SMA Female Only without – V option)  
With – V Option

NM – N, Male; NF – N, Female

SM – SMA, Male; SF – SMA, Female

TM – TNC, Male; TF – TNC, Female

\* Variable attenuation **will require** in-line voltage to operate.

For help in creating the part number to meet your exact needs, contact [sales@gpssource.com](mailto:sales@gpssource.com) or visit our website at [www.gpssource.com](http://www.gpssource.com).

