

NAP100 - L1 GPS Antenna



L1 GPS Antenna Datasheet

The Magellan NAP100 is an external, pole-mounted, L1 GPS antenna dedicated to surveying/mapping applications.

The NAP100 was chosen as the ProMark3 top-grade antenna and for this reason is part of every ProMark3 shipment. Today, the NAP100 is also available as a standalone accessory.

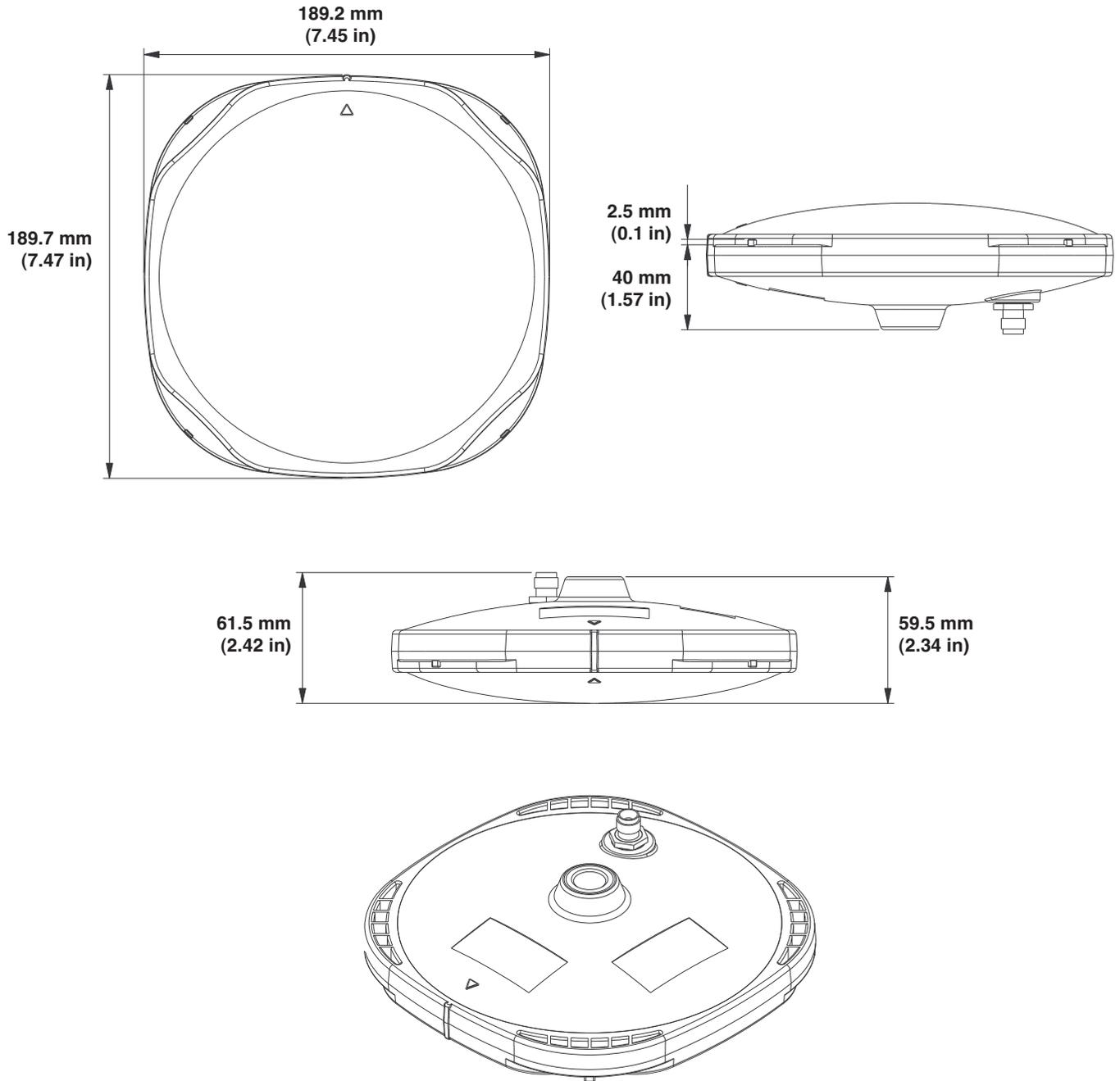
For best performance, the NAP100 uses Magellan LNA technology. It is also NGS certified.

Technical Specifications

Frequency band	1575 ± 10 MHz @ -3 dB
Polarization	RHCP (Right-Hand Circular Polarization)
Axial ratio	3 dB max
LNA gain	14 ± 2 dB
Noise figure	2 dB max
SWR	< 2.0:1
Impedance	50 Ohms
Power supply	3.5 to 7 VDC, 20 mA max.
Operating temperature	-40°C to +70°C
Weight	469 g
Shocks & vibrations	ETS 300 019 / EN 60945
Watertightness	IP 67
Connector	TNC-F
Mounting	5/8-11 UNC-2B threaded receptacle, 0.75 " deep
Electrical phase center position (NGS calibration)	North: 1.0 mm, East: 3.8 mm, Up: 73.2 mm above ARP
Electrical phase center repeatability	± 1.5 mm rms
Radius	105 mm
Measurement point	41 mm above ARP
Part number	R802001



NAP100 Mechanical Specifications



Survey Solutions Contact Information:

In USA +1 408 615 3970 ▪ Fax +1 408 615 5200

Toll Free (Sales in USA/Canada) 1 800 922 2401

In South America +56 2 273 3214 ▪ Fax +56 2 273 3187

Email surveysales@magellangps.com

In France +33 2 28 09 38 00 ▪ Fax +33 2 28 09 39 39

In Germany +49 81 6564 7930 ▪ Fax +49 81 6564 7950

In Russia +7 495 980 5400 ▪ Fax +7 495 981 4840

In the Netherlands +31 78 61 57 988 ▪ Fax +31 78 61 52 027

Email surveysalesemea@magellangps.com

In Singapore +65 983 842 29 ▪ Fax +65 677 798 81

In China +86 10 6566 9866 ▪ Fax +86 10 6566 0246

Email surveysalesapac@magellangps.com

www.pro.magellanGPS.com



Magellan follows a policy of continuous product improvement; specifications and descriptions are thus subject to change without notice. Please contact Magellan for the latest product information.

© 2007 Magellan Navigation, Inc. All right reserved. ProMark and MobileMapper are trademarks of Magellan Navigation, Inc. All other product and brand names are trademarks or registered trademarks of their respective holders. Rev (7Sept07)