

NAP100 - L1 GPS Antenna



L1 GPS Antenna Datasheet

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

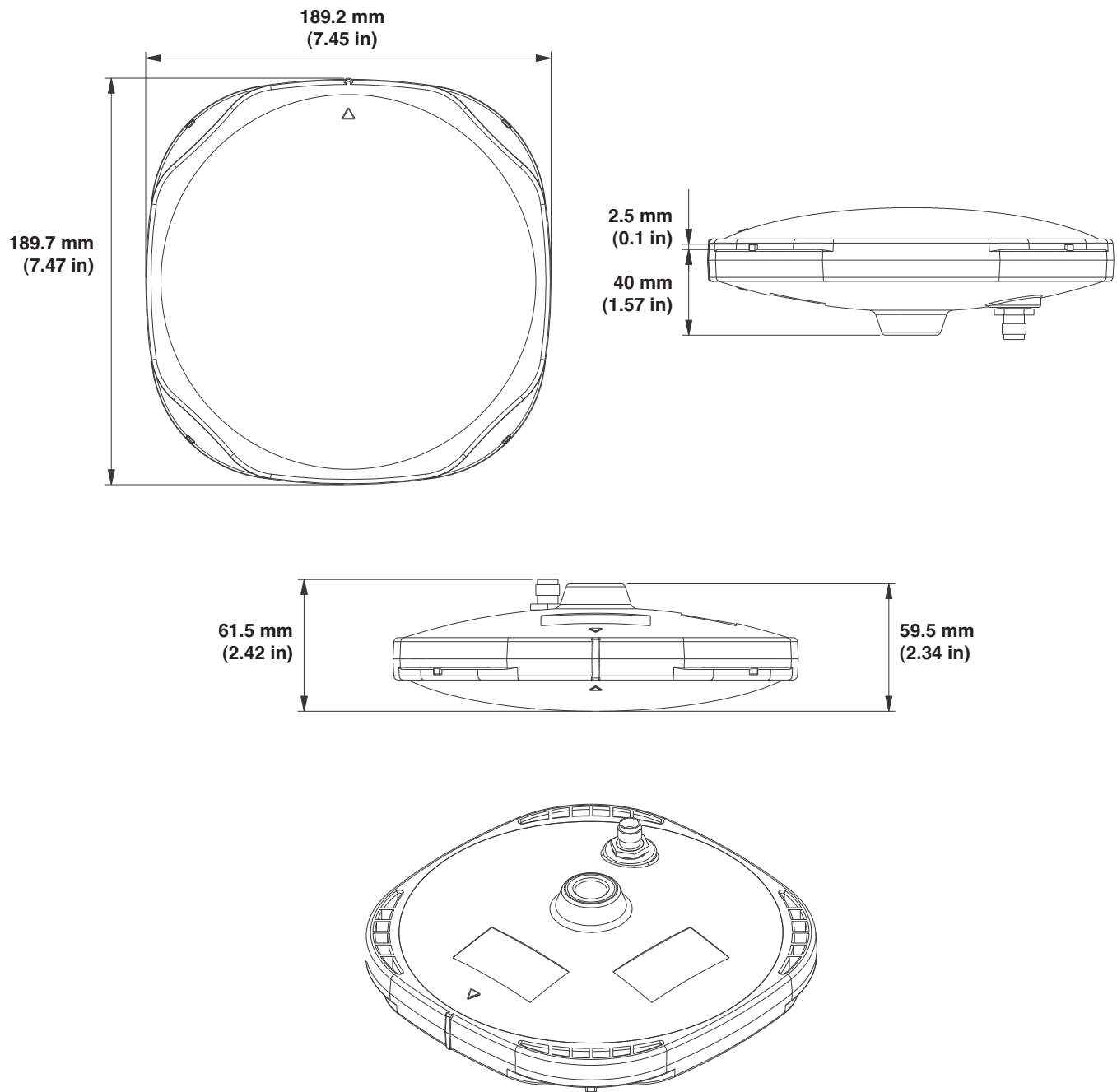
The NAP100 was chosen as the ProMark3 top-grade antenna and for this reason is part of every ProMark3 shipment. Today, the NAP100 is also available as a standalone accessory.

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



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