

GPS NMO Combination Panel Mount

GPSNMO

12/08/2014 v.1



- Compatible with standard NMO antennas
- Active GPS element
- Single hole fixing

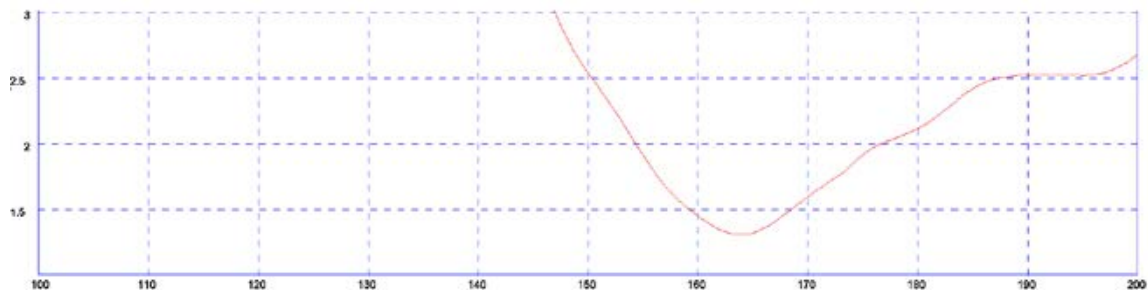
The GPSNMO range is a dual function antenna with an active GPS element.

The GPSNMO range covers frequencies from VHF to UHF, depending on the equipment requirements. With the ability to mount on a roof up to 1/4 inch (6.5mm) thick using only a single 3/4 inch (19mm) hole.

The dual functionality of the Panorama GPSNMO range makes the antenna an ideal choice for police, buses, taxis and other public service and utility vehicles.

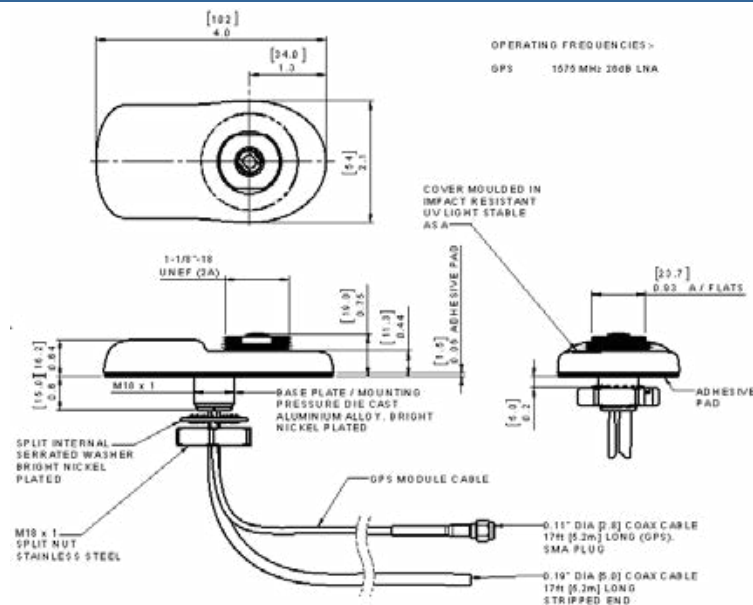
This antenna can be provided as a 'plug & play' kit for all VHF & UHF terminals.

Typical VSWR

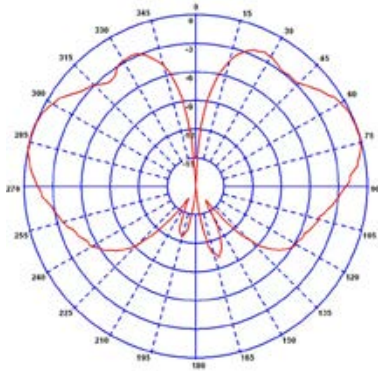


*measured on a 3ft x 3ft groundplane with 5m of CS23 cable

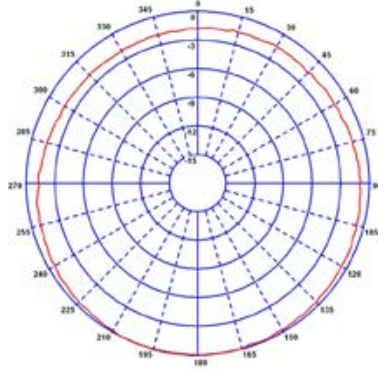
Technical Drawing



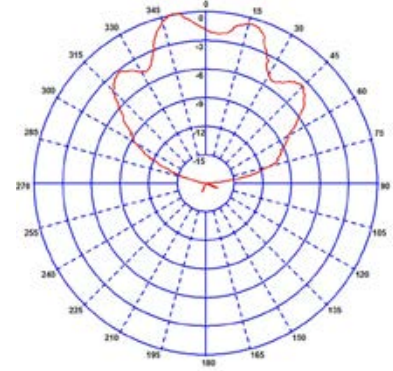
Typical E-Plane (165MHz)



Typical H-Plane (165MHz)



Typical E-Plane (GPS)



Part No. GPSNMO

Electrical Data

Frequency Range (MHz)	130-2700 (dependent on whip)
Operational Bands	dependent on whip
Gain: Isotropic	dependent on whip
Polarisation	Vertical
Pattern	Omni-directional
Impedance	50Ω
Max Input Power (W)	60 (or less dependent on whip)

GPS Data

Frequency Range (MHz)	1575
VSWR	<2.0:1 ± 4MHz
Gain: LNA	26dB
Polarisation	Right Hand Circular
Operating Voltage	3 - 5V DC (fed via coax)
Current	Typical 15mA
Regulatory approvals	E-mark & CE mark

Mechanical Data

Dimensions (inches)	Base Height	0.64" (16.2mm)
	Base Length	4" (102mm)
	Base Width	2.1" (54mm)
Operating Temp (°F)	-40° / 176°F (-40° / +80°C)	
Material	A.S.A and nickel plated brass	
Colour	Black	

Mounting Data

Fixing	Panel mount
Hole Size (inches)	3/4" (19mm)

Cable Data

GPS Cable	Type	RG174
	Diameter (inches)	0.11" (2.8mm)
	Length (ft)	17' (5.2m)
	Termination	SMA Plug
Comms Cable	Type	CS23 (RG58 c/u)
	Diameter (inches)	0.19" (5mm)
	Length (ft)	17' (5.2m)
	Termination	bare end



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