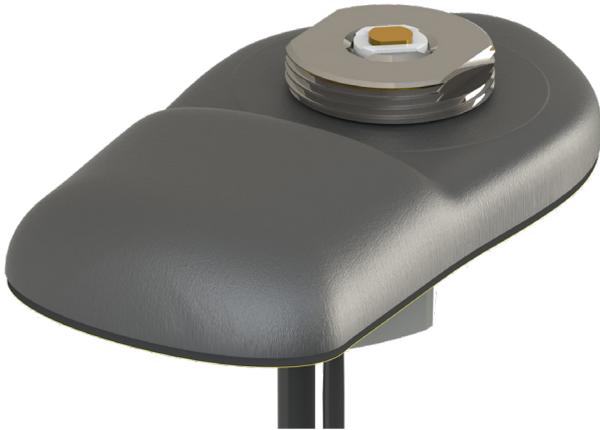


# Combination Panel Mount

## GPSNMO



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

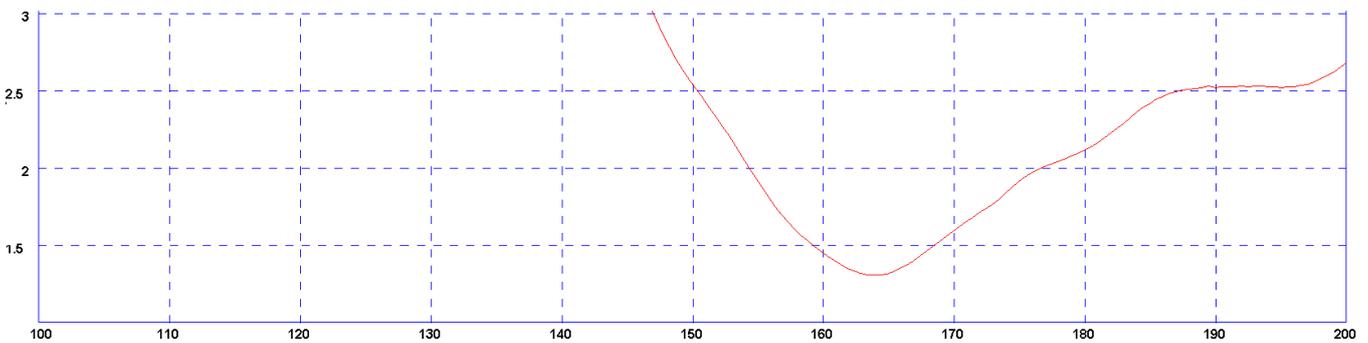
The GPSNMO range is a dual function antenna base with an active GPS/GNSS antenna for use with L1 Band GPS/GLONASS/Galileo/BeiDou systems.

The base features a low profile NMO mount suitable for a range of VHF/UHF & 700/800MHz and Cellular antennas with NMO fitting. It can be fitted on a panel up to 1/4 inch (6.5mm) thick using only a single 3/4 inch (19mm) hole.

The Panorama GPSNMO base with a suitable antenna is an ideal choice for Public Safety, Transportation, Public Service and Utility vehicles. The GPSNMO can be provided as a 'plug & play' antenna kit for a range of radio terminals

### Electrical Data - Cell

Typical VSWR

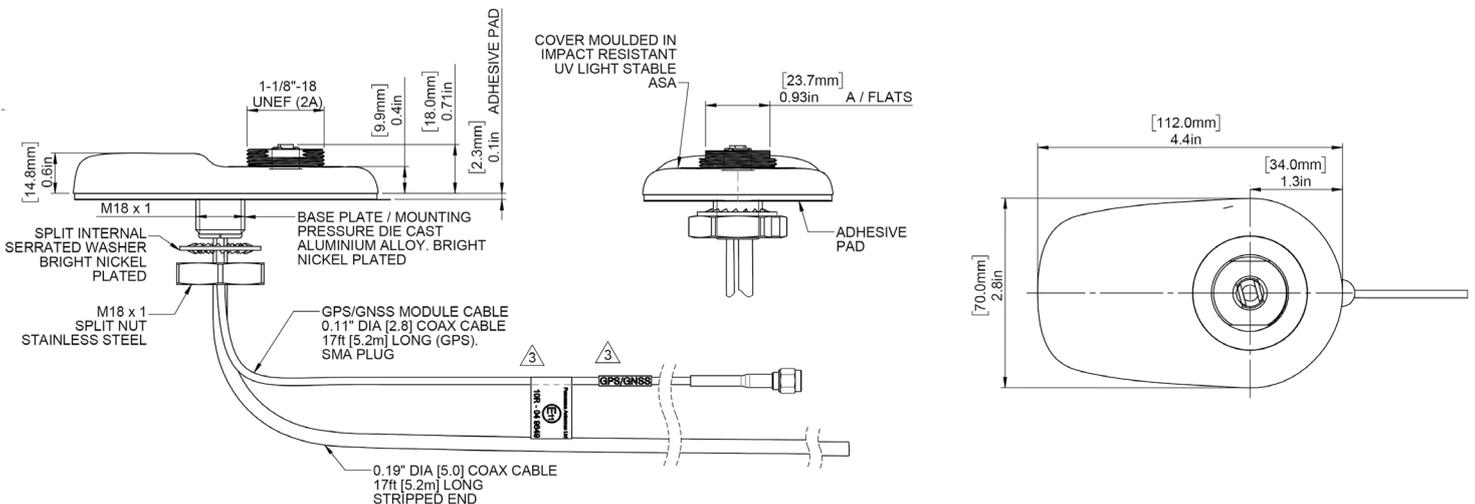


\*measured on a 3ft x 3ft groundplane with 5m of CS23 cable

### Technical Drawing

GPSNMO Shown.

OPERATING FREQUENCIES:-  
GPS/GNSS 1562 - 1612 MHz 26dB LNA



### Product Data

<b>Part No.</b>		GPSNMO
<b>Electrical Data</b>		
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)	
<b>GPS/GNSS Data</b>		
Frequency Range (MHz)	1562-1612	
VSWR	< 2.0:1	
Gain: LNA	26dB	
Polarisation	Right Hand Circular	
Operating Voltage	3-5V DC (fed via coax)	
Current	<20mA	
Regulatory approvals	R10 (eMark) & RED CE mark	
<b>Mechanical Data</b>		
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	
<b>Mounting Data</b>		
Fixing	Panel mount	
Hole Size (inches)	3/4" ( 19mm)	
<b>Cable Data</b>		<b>Elements 1&amp;2 (Cell)</b>
GPS/GNSS 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