



Product Data Sheet

Marine Antenna

TETRA UHF

Marine Antenna with GPS



NA-S-GPS

Ratchet or deck mount

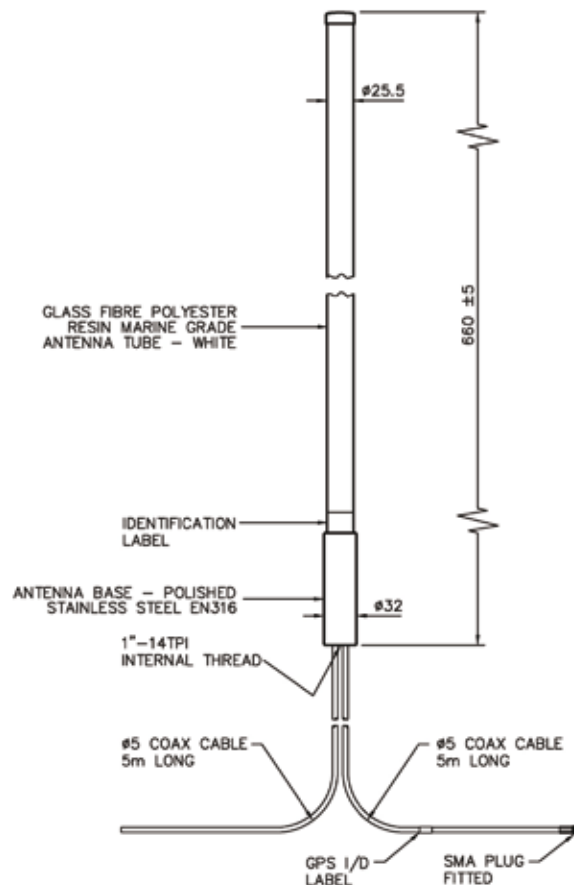
Various frequencies

Panorama has developed a range of marine Tetra antennas to meet the increasing demand for Tetra coverage at sea.

This antenna has the unique capability of being supplied as a GPS/Tetra combination type with a 26dB gain low noise GPS amplifier, offering a simpler and quicker installation for the customer.

This antenna will fit: the standard 1"x14TPI marine mounting systems, Panorama offers a range of these mounts, in both nylon and heavy duty stainless or plated brass versions. We can also supply custom extension coaxial cable sets to meet the customer's specific installation requirements

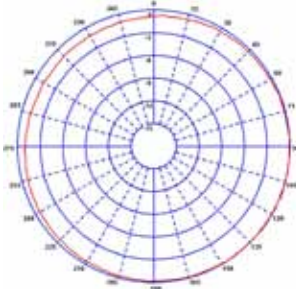
Technical Drawing



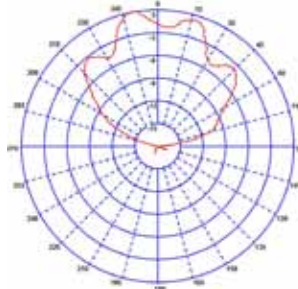
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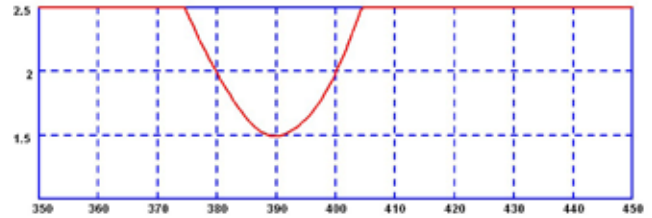
H-Plane (390MHz)



GPS



Typical VSWR



Part No.		NA-S1-GPS	NA-S2-GPS	NA-S4-GPS
Electrical Data				
Frequency Range (MHz)		380-400	410-430	450-470
Operational Band		S1	S2	S4
Gain: Isotropic		5dBi	5dBi	5dBi
Compared to ¼ wave		3dB	3dB	3dB
Bandwidth @ 2:1 VSWR		5%	5%	5%
Polarisation		Vertical	Vertical	Vertical
Pattern		Omni-directional	Omni-directional	Omni-directional
Impedance		50Ω	50Ω	50Ω
Max Input Power (W)		25	25	25
Mechanical Data				
Dimensions (mm)	Length	660	660	660
	Diameter	30	30	30
Operating Temp (°C)		-40° / +80°C	-40° / +80°C	-40° / +80°C
Material		Fibre glass & stainless steel	Fibre glass & stainless steel	Fibre glass & stainless steel
Colour		White	White	White
GPS Data				
Frequency Range (MHz)		1575	1575	1575
VSWR		<2.0:1 ± 4MHz	<2.0:1 ± 4MHz	<2.0:1 ± 4MHz
Gain: LNA		26dB	26dB	26dB
Polarisation		Right Hand Circular	Right Hand Circular	Right Hand Circular
Operating Voltage		3 - 5V DC (fed via coax)	3 - 5V DC (fed via coax)	3 - 5V DC (fed via coax)
Current		Typical 14mA	Typical 14mA	Typical 14mA
Mounting Data				
Fixing	Ratchet mount	NDRS-SL	NDRS-SL	NDRS-SL
Cable Data				
Type	TETRA	Coax cable	Coax cable	Coax cable
	GPS	Coax cable	Coax cable	Coax cable
Thickness (mm)	TETRA	5	5	5
	GPS	5	5	5
Length (m)	TETRA	5	5	5
	GPS	5	5	5
Termination	TETRA	Bare end	Bare end	Bare end
	GPS	SMA plug	SMA plug	SMA plug

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