

GPS Combination Magnetic Mount Base

PANORAMA ANTENNAS

GPSKM-S1G-MOT-SP

09/06/2017 Version: 1.0



GPSKM

Excellent performance

Active GPS element

Magnetic mount

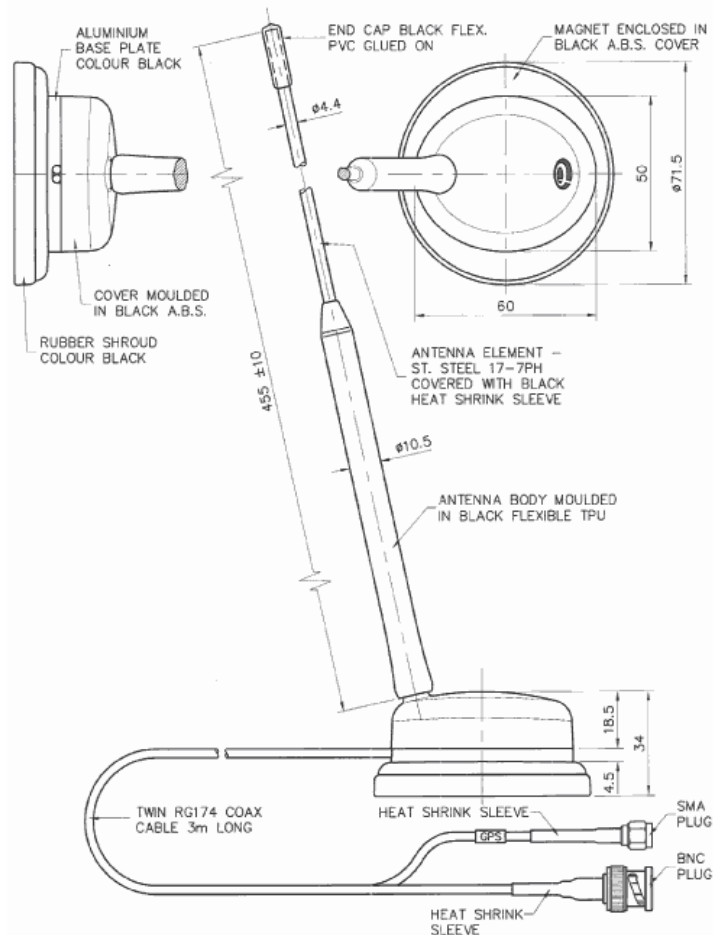
5dBi gain

The twin functionality of the Panorama GPSKM range makes these antennas a popular choice for police, buses, taxis and other public service and utility vehicles.

The GPSKM is a dual function, high performance TETRA antenna with an active GPS element. Standard GPS LNA gain is 26dB.

A strong magnet ensures the antenna stays in position and acts like a panel mount while leaving no evidence that it was ever there, when removed.

Technical Drawing



GPS Combination Magnetic Mount Base

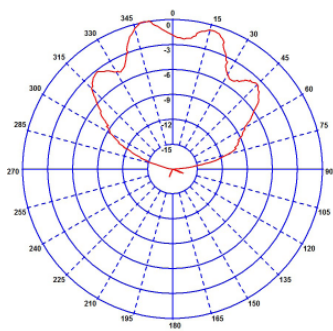
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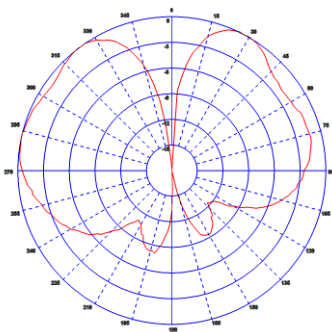
Product Data

Part No.	
GPSKM-S1G-MOT-SP	
Electrical Data	
Frequency Range (MHz)	380-400
Operational Band	S1
Peak Gain: Isotropic	5dBi
Compared to ¼ wave	3dB
Polarisation	Vertical
Pattern	Omni-directional
Impedance	50Ω
Max Input Power (W)	50
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
Mechanical Data	
Dimensions (mm)	Whip Length 465 (18.3")
	Base Height 34 (1.3")
	Base Diameter 71.5 (2.8")
Operating Temp (°C)	-40° / +80°C (-40° / 176°F)
Colour	Black
Mounting Data	
Fixing	Magnetic mount
Cable Data	
GPS Cable	Type Twin RG174
	Diameter (mm) 2.8 (0.1")
	Length (m) 3 (10')
	Termination SMA Plug
Comms Cable	Type Twin RG174
	Thickness (mm) 2.8 (0.1")
	Length (m) 3 (10')
	Termination BNC Plug

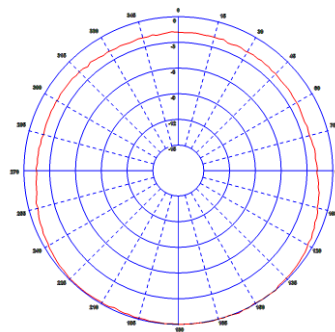
Typical E-Plane GPS



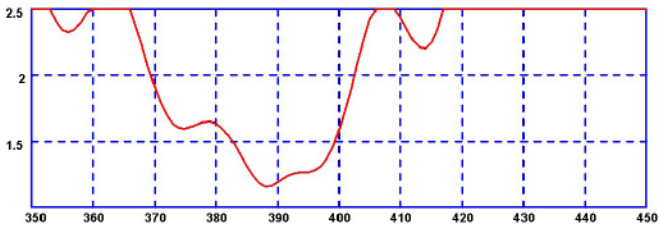
Typical E-Plane (390MHz)



Typical H-Plane (390MHz)



Typical VSWR*



*AFGB-S1 on a GPSK with 2 x 2 ft (600mm x 600mm) ground plane with 5m (16') of CS23 cable