

# Product Data Sheet

Magnetic GPS Combination Antenna

# TETRA UHF

## Magnetic GPS Combination Antenna



### GPSKM-TET-5B/SMC

Excellent performance

Active GPS element

Magnetic mount

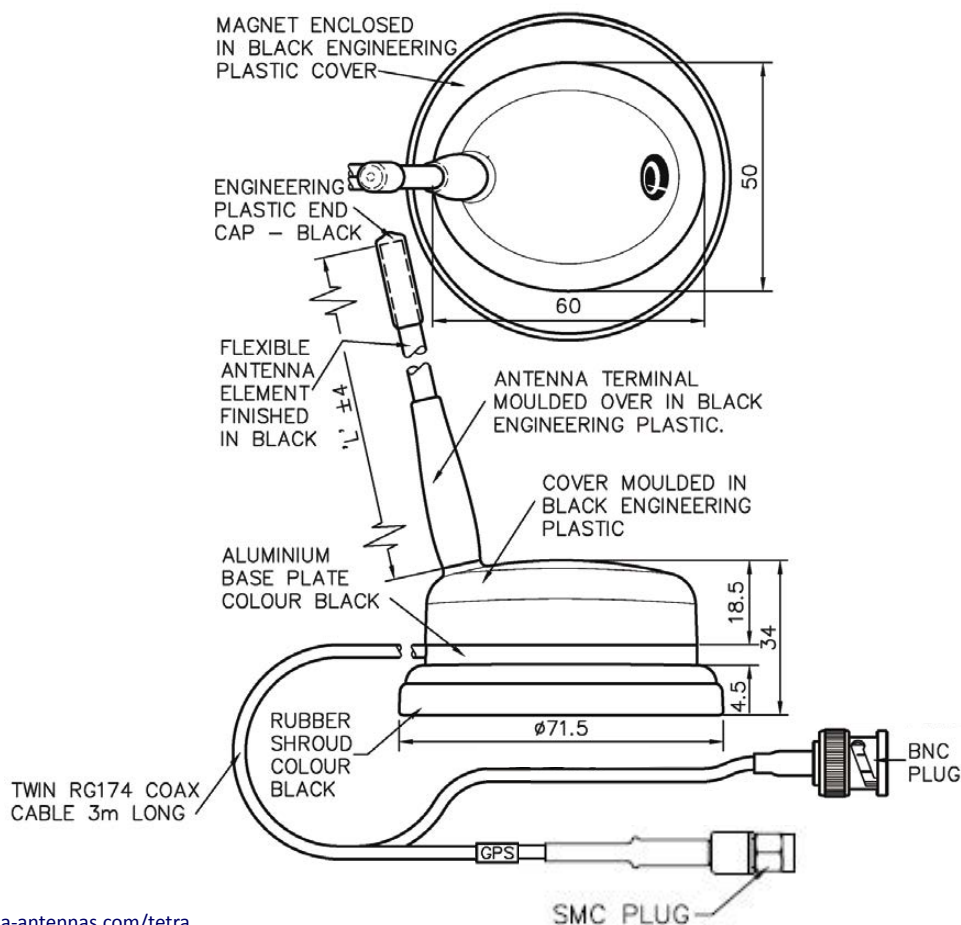
The dual functionality of the Panorama GPSKM range makes these antennas a popular choice for police, buses, taxis and other public service and utility vehicles.

The GPSKM is a dual function, high performance Tetra antenna with an active GPS element. Standard GPS LNA gain is 26dB, version R has a 13dB gain LNA.

A strong magnet ensures the antenna stays in position and leaves no evidence that it was ever there, when removed.

This antenna can be supplied with connectors to suit all TETRA terminals.

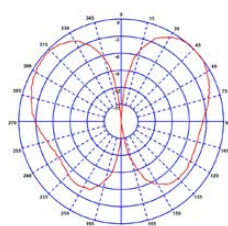
#### Technical Drawing



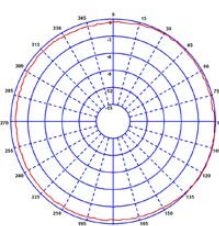
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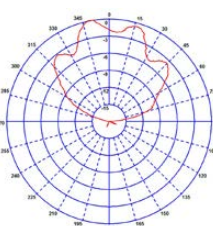
E-Plane (390MHz)



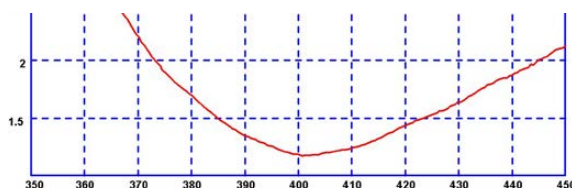
H-Plane (390MHz)



GPS



Typical VSWR\*



\*measured on a 1m x 1m groundplane

Part No.		
GPSKM-TET-5B/SMC		
Electrical Data		
Frequency Range (MHz)		380-430
Operational Band		TET
Gain: Isotropic		2dBi
Compared to ¼ wave		0dB
Polarisation		Vertical
Pattern		Omni-directional
Impedance		50Ω
Max Input Power (W)		25
GPS Data		
Frequency Range (MHz)		1575
VSWR		<2.0:1 ± 4MHz
Gain: LNA		26dB
Polarisation		Right Hand Circular
Operating Voltage		3 - 7V DC (fed via coax)
Current		Typical 14mA
Mechanical Data		
Dimensions (mm)	Whip Length	154
	Base Height	34
	Base Diameter	71.5
Operating Temp (°C)		-40° / +80°C
Material		Engineering plastic
Colour		Black
Mounting Data		
Fixing		Magnetic mount
Cable Data		
GPS Cable	Type	Twin RG174
	Thickness (mm)	2.8
	Length (m)	5
	Termination	SMC Plug
Comms Cable	Type	Twin RG174
	Thickness (mm)	2.8
	Length (m)	5
	Termination	BNC plug

†Other connectors are available upon request

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