

# Product Data Sheet

Magnetic GPS Combination Antenna

# TETRA UHF

## Magnetic GPS Combination Antenna



### GPSKM-TET-5B/SMC

- Excellent performance
- Active GPS element
- Magnetic mount

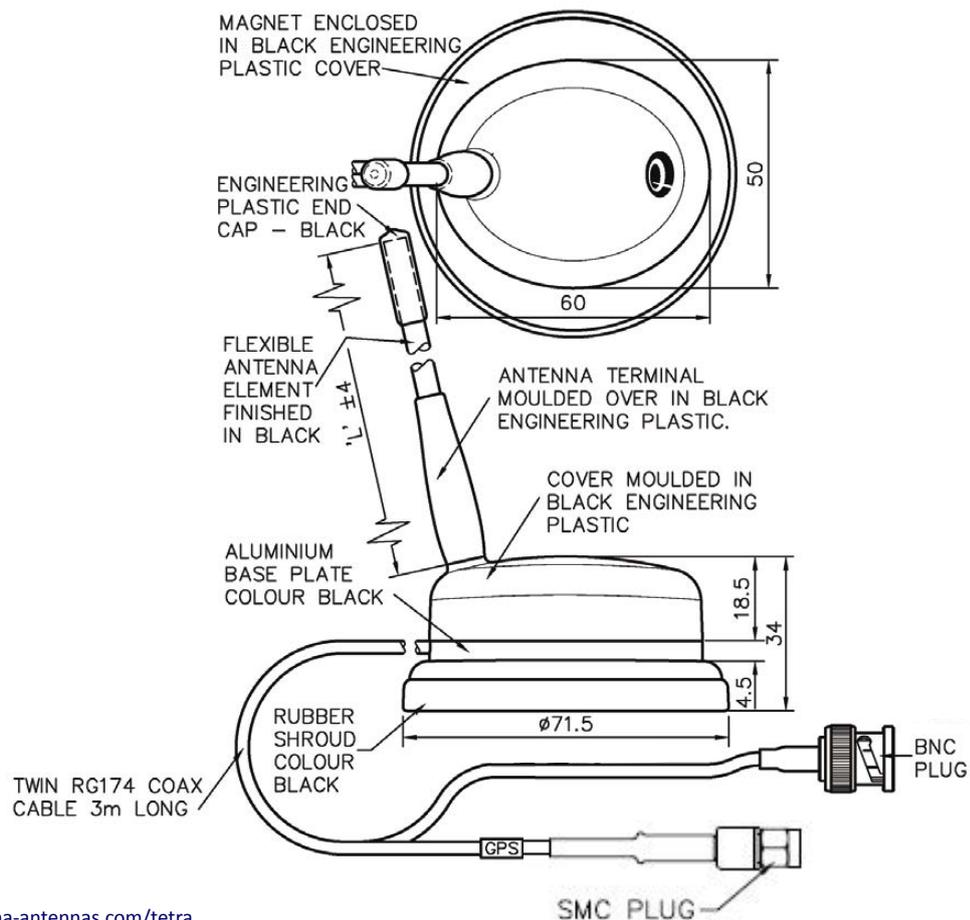
The dual functionality of the Panorama GPSKM range makes these antennas a popular choice for police, buses, taxis and other public service and utility vehicles.

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.

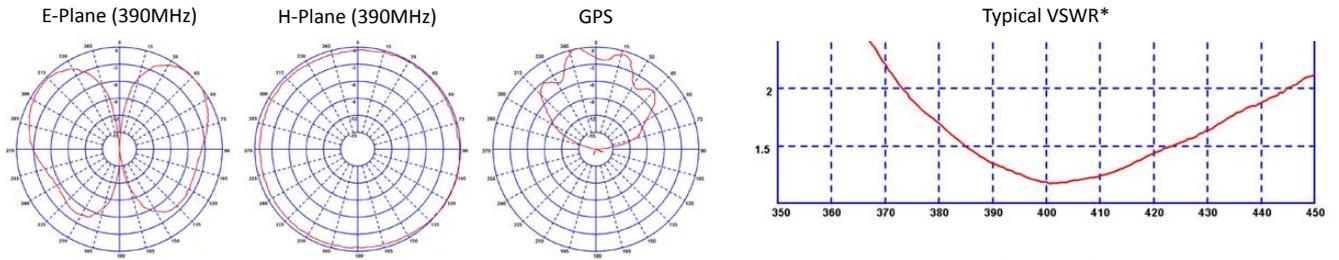
This antenna can be supplied with connectors to suit all TETRA terminals.

#### Technical Drawing



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\*measured on a 1m x 1m groundplane

<b>Part No.</b>		GPSKM-TET-5B/SMC
<b>Electrical Data</b>		
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
<b>GPS Data</b>		
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
<b>Mechanical Data</b>		
Dimensions (mm)	Whip Length	154
	Base Height	34
	Base Diameter	71.5
Operating Temp (°C)		-40° / +80°C
Material		Engineering plastic
Colour		Black
<b>Mounting Data</b>		
Fixing		Magnetic mount
<b>Cable Data</b>		
GPS Cable	Type	Twin RG174
	Thickness (mm)	2.8
	Length (m)	5
	Termination	SMC Plug
Comms Cable	Type	Twin RG174
	Thickness (mm)	2.8
	Termination	BNC plug

†Other connectors are available upon request

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