







GPS Combination Antenna with Diplexer for Mobile Car Kits

-  TETRA UHF
-  Public Safety
-  GPS
-  Omni Directional
-  ROHS Compliant
-  Vehicle Mount



GPSK-CK

- Excellent performance
- Active GPS element
- Single hole fixing

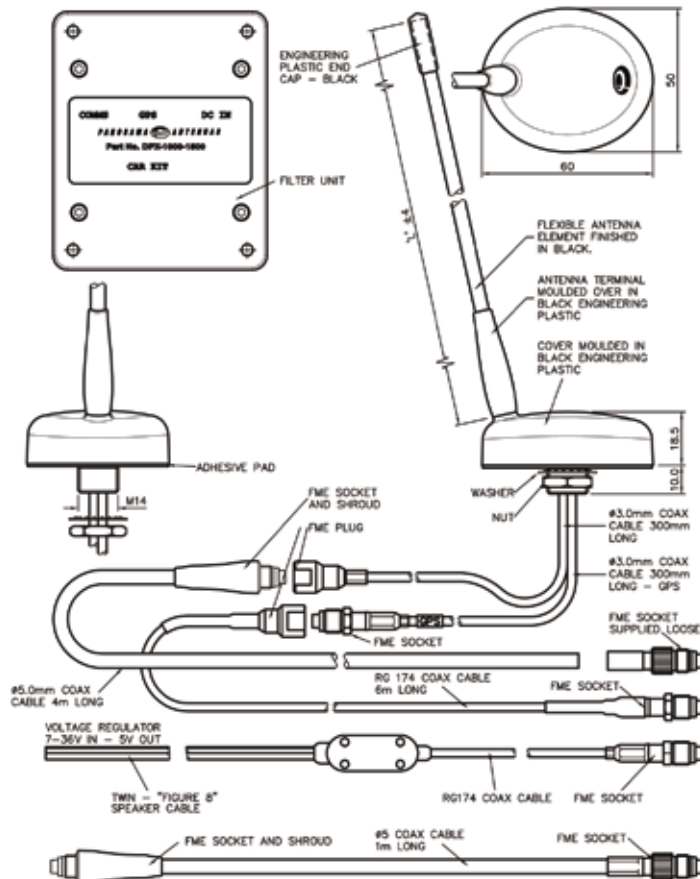
This antenna system is required for hand portable car kit use, where a common antenna connection is supplied.

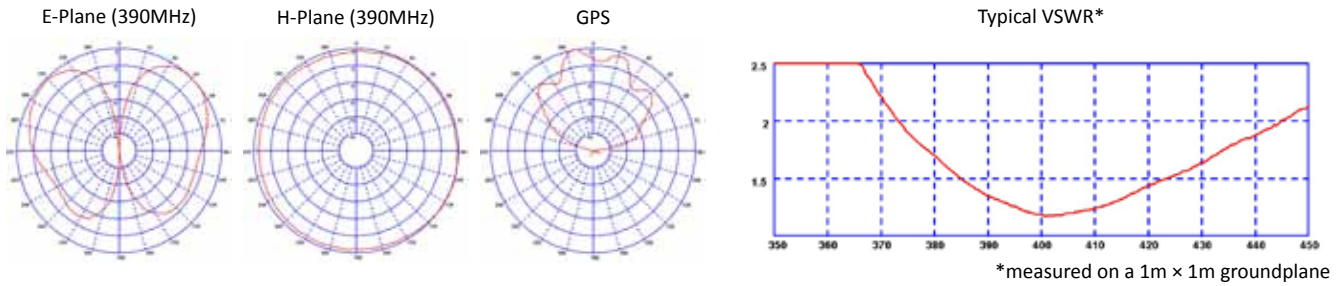
The GPSK antenna range is a dual function, high performance TETRA antenna with an active GPS element.

The GPSK range covers frequencies from 300MHz to 470Mhz, depending on the equipment requirements. With the ability to mount on a roof up to 6mm thick using only a single 15mm hole.

The dual functionality of the Panorama GPSK range makes the antenna a popular choice for police, buses, taxi's and other public service and utility vehicles.

Technical Drawing





Part No.				
	GPSK-R1-MOT-CK	GPSK-R2-MOT-CK	GPSK-TET-MOT-CK	GPSK-S4-MOT-CK
Electrical Data				
Frequency Range (MHz)	300-334	350-370	380-430	450-470
Operational Band	R1	R2	TET	S4
Gain: Isotropic	2dBi	2dBi	2dBi	2dBi
Compared to ¼ wave	0dB	0dB	0dB	0dB
Polarisation	Vertical	Vertical	Vertical	Vertical
Pattern	Omni-directional	Omni-directional	Omni-directional	Omni-directional
Impedance	50Ω	50Ω	50Ω	50Ω
Max Input Power (W)	50	50	50	50
GPS Data				
Frequency Range (MHz)	1575	1575	1575	1575
VSWR	<1.5:1 ± 4MHz	<1.5:1 ± 4MHz	<1.5:1 ± 4MHz	<1.5:1 ± 4MHz
Gain: LNA	26dB	26dB	26dB	26dB
Polarisation	Right Hand Circular	Right Hand Circular	Right Hand Circular	Right Hand Circular
Operating Voltage	3 - 7V DC (fed via coax)	3 - 7V DC (fed via coax)	3 - 7V DC (fed via coax)	3 - 7V DC (fed via coax)
Current	Typical 14mA	Typical 14mA	Typical 14mA	Typical 14mA
Mechanical Data				
Dimensions (mm)	Whip Length	201	179	163
	Base Height	18.5	18.5	18.5
	Base Length	60	60	60
	Base Width	50	50	50
Operating Temp (°C)	-40° / +80°C	-40° / +80°C	-40° / +80°C	-40° / +80°C
Material	Engineering plastic	Engineering plastic	Engineering plastic	Engineering plastic
Colour	Black	Black	Black	Black
Mounting Data				
Fixing	Panel mount	Panel mount	Panel mount	Panel mount
Hole Size (mm)	15	15	15	15
Cable Data				
GPS Cable	Type	RG174	RG174	RG174
	Length (m)	6	6	6
	Termination	FME Socket	FME Socket	FME Socket
Comms Cable	Type	CS23	CS23	CS23
	Length (m)	5	5	5
	Termination	Bare end with loose FME	Bare end with loose FME	Bare end with loose FME
Radio Cable	Length (m)	1	1	1
	Termination	FME Socket	FME Socket	FME Socket
Voltage Regulator (part No. VR5-F)	Length (m)	1	1	1
	More Information	See page 68	See page 68	See page 68