

Low Profile Antenna with GPS

- TETRA 800MHz
- Public Safety
- GPS
- Omni Directional
- ROHS Compliant
- Vehicle Mount

LGL-S5

- Rugged design
- Heavy duty application
- Integrated GPS antenna

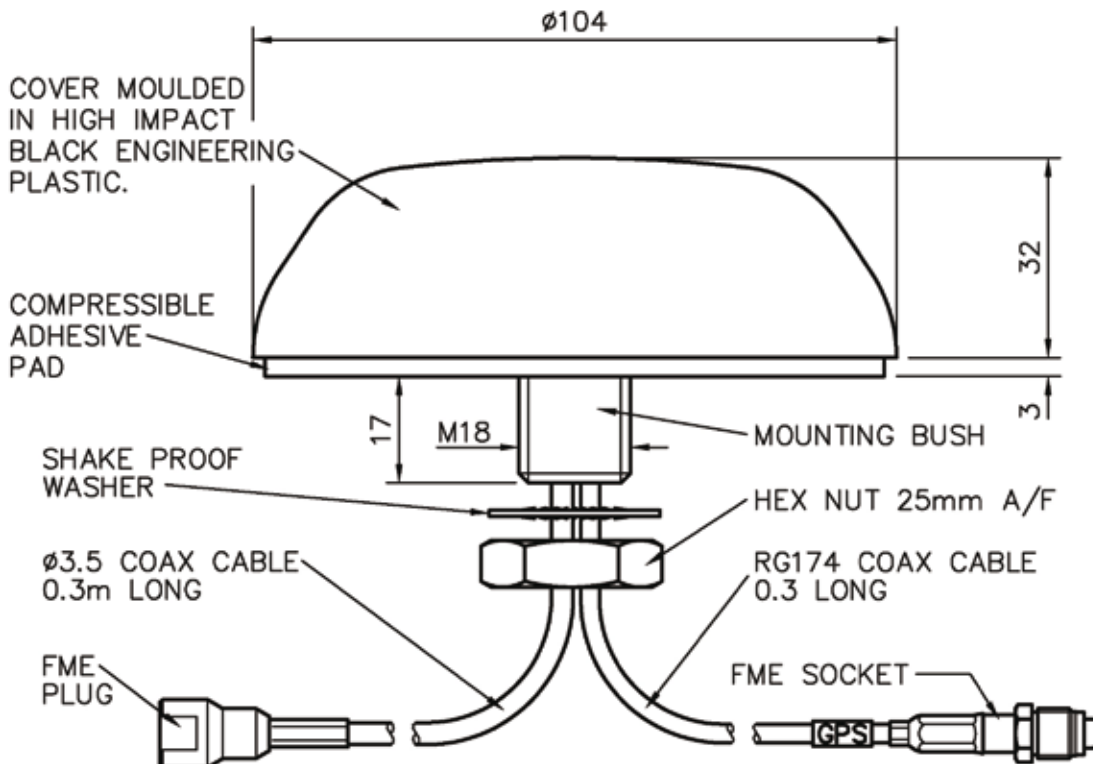


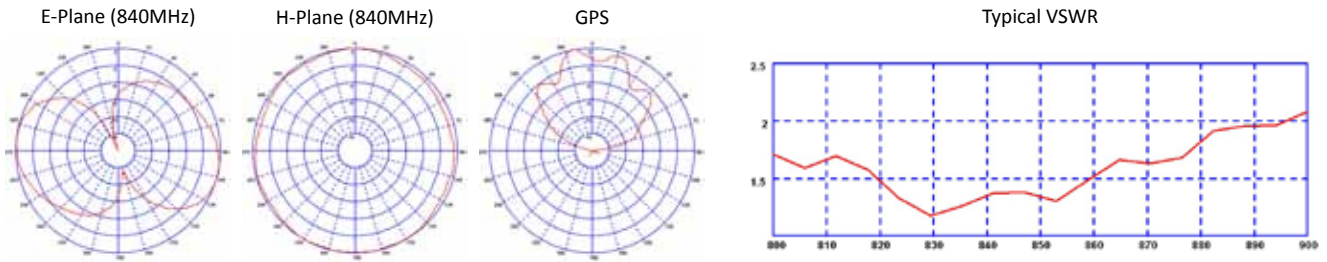
The Panorama low profile antenna range has been designed to perform under extreme pressure. The outer housing is designed to withstand high impacts while maintaining its functionality. The LGL-S5 has the added bonus of an active 26dB GPS element built into each antenna.

The antennas do not require a metallic ground plane, and maintain the same great performance when mounted on any surface.

The LGL-S5 antenna is also available without GPS, simply by exchanging the 'G' for a 'P' in the part number.

Technical Drawing





Part No.		LGL-S5-FF
Electrical Data		
Frequency Range (MHz)	806-870	
Operational Band	S5	
Gain: Isotropic	0dBi	
Compared to ¼ wave	-2dB	
VSWR	2:1	
Polarisation	Vertical	
Pattern	Omni-directional	
Impedance	50Ω	
Max Input Power (W)	20	
GPS Data		
Frequency Range (MHz)	1575	
VSWR	<1.5:1 ± 4MHz	
Gain: LNA	26dB	
Polarisation	Right Hand Circular	
Operating Voltage	3 - 7V DC (fed via coax)	
Current	Typical 14mA	
Mechanical Data		
Dimensions (mm)	Height	104
	Diameter	32
Operating Temp (°C)	-40° / +80°C	
Material	Engineering plastic	
Colour	Black	
Mounting Data		
Fixing	Panel mount	
Hole Size (mm)	Length	17
	Diameter	18
Cable Data		
GPS Cable	Type	RG174
	Length (m)	0.3
	Termination	FME socket
Comms Cable	Type	RG174
	Length (m)	0.3
	Termination	FME plug
Extension Cables	Extension cable sets to suit all TETRA terminals available	

†Other connectors are available upon request