### GPS/GNSS L1/L2/L5 **Panel Mount Antenna**

GPS25P-[VAR]





#### GPS25P-[VAR]

- Panel Mount GPS/GNSS L1/L2/L5 antenna
- ~37dB gain LNA
- · Compact, robust housing
- Integral FR rated RG174 coaxial cable

The GPS25P is a high-performance L1/L2/L5 band GPS/GNSS antenna with ~37dB gain LNA and excellent filtering. The antenna is housed within a low profile, robust enclosure and is suitable for use with GPS, GLONASS, Galileo and BeiDou systems requiring high accuracy for navigation, RTK and other precision applications.

The GPS25P is designed for panel mounting on conductive or non-conductive panels up to 10mm (0.39") thick using an M18 mounting bush. The supplied adhesive foam pad provides both anti-rotation and weather-proof sealing.

For ease of installation, the antenna is supplied with integrated FR RG174 coaxial cable (Compliant with UN ECE R118) and is available with a variety of connectors.

#### **Technical Drawing**

GPS25P Shown



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Product Data

Part No.					
		G	PS25P-6SP	GPS25P-6	FAKCJ
GPS Data					
Frequency Range (MHz)	Lower Bands		1136-13	800 MHz	
	Upper Bands	1559-1612 MHz			
Band Covered	Lower Bands	ands L2, L5, E5, B2, B5, G2,			
	Upper Bands		L1,E1	,B1,G1	
Nominal Impedance			50Ω		
Typical VSWR			<2	5:1	
LNA Gain			37 +/- 3 dB		
Axial Ratio		3 dB			
Polarisation			Right Hand Circular		
Operating Voltage			3 - 12V DC (fed via coax)		
Operating Current			<26mA		
Mechanical Data					
	Base Height		28mm	(1.1")	
Dimensions	Base Length	n 72mm (2.83")			
	Base Width	67mm (2.63")			
			-40°/+80°C (-40°/176°E)		
Material			ΔQΔ		
Colour	Riack				
Mounting Date					
Fixing M18 Panel Mount (Max 10mm (0.39") thick)					
	Туре	FR RG174 (Complies with UN ECE R118)			
GPS Cable	Diameter		2.8mm (0.1")		
	Length		6m (1	9.68')	
	Termination		SMA (m) FAKRA C Jack		
Typical E-Plane	Pattern	Typical E-Plane Pattern	Typical E-Plane Pattern	Typical E-Plane Pattern	Polar Patterns
(1176MHz	:)	(1207MHz)	(1227MHz)	(1246MHz)	
Typical E-Plane (1268MHz	Pattern ː) *	Typical E-Plane Pattern (1561MHz)	Typical E-Plane Pattern (1575MHz)	Typical E-Plane Pattern (1603MHz)	
					* E-plane Patterns measured on 600x600mm* (2'x2') ground plane.
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#### High Frequency Swept Gain Plot\*

