

GPS/GNSS L1/L2/L5 Magnet Antenna

GPS25MS-[VAR]

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- Magnetic / Adhesive Mount GPS/GNSS L1/L2/L5 antenna
- ~37dB gain LNA
- Compact, robust housing
- Integral FR rated RG174 coax cable



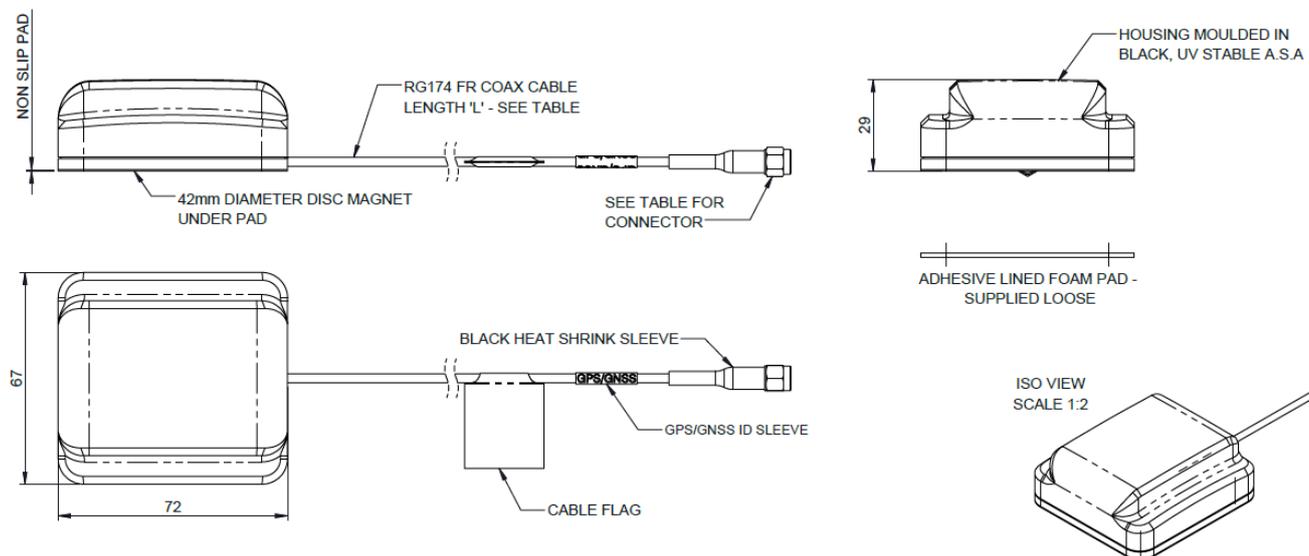
The GPS25MS is a high-performance L1/L2/L5 band GPS/GNSS antenna with ~37dB gain LNA and excellent filtering. The antenna is housed within a low profile, robust enclosure and is suitable for use with GPS, GLONASS, Galileo and BeiDou systems requiring high accuracy for navigation, RTK and other precision applications.

The GPS25MS is fitted with a high quality magnet for temporary mounting on ferromagnetic surfaces and an adhesive pad for installing the antenna more permanently or where mounting to a non-magnetic surface is required.

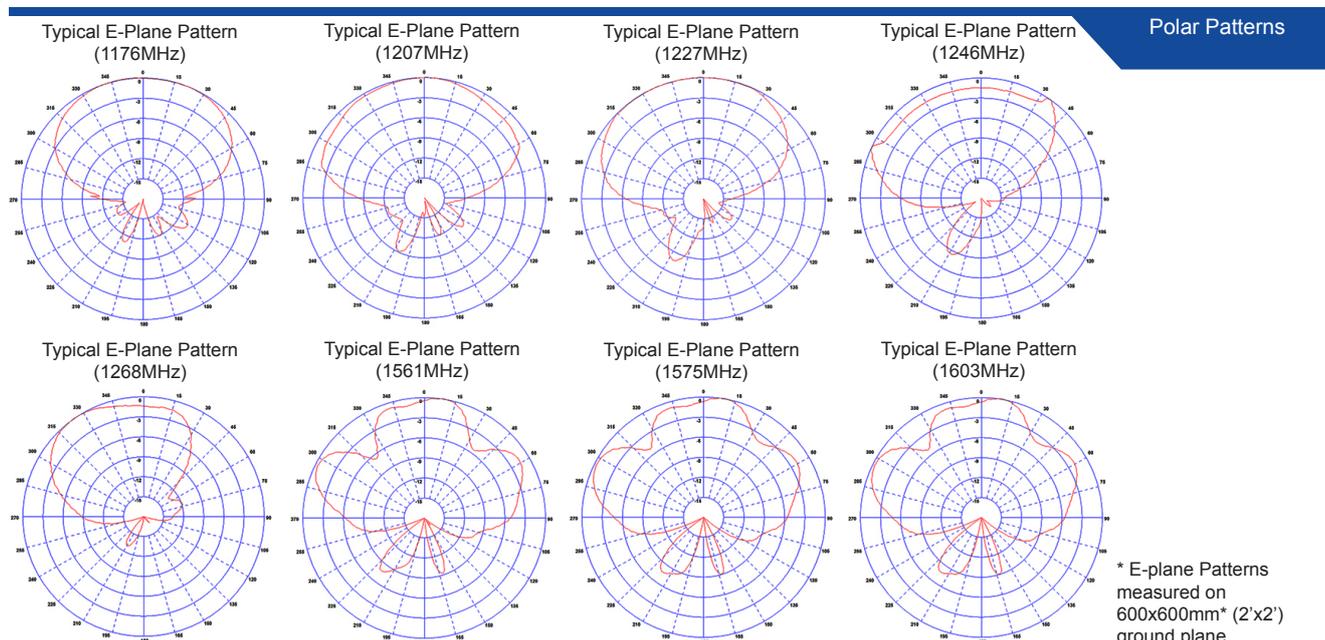
For ease of installation, the antenna is supplied with integrated FR rated RG174 coax cable (Compliant with UN ECE R118) and is available with a variety of connectors.

Technical Drawing

GPS25MS Shown

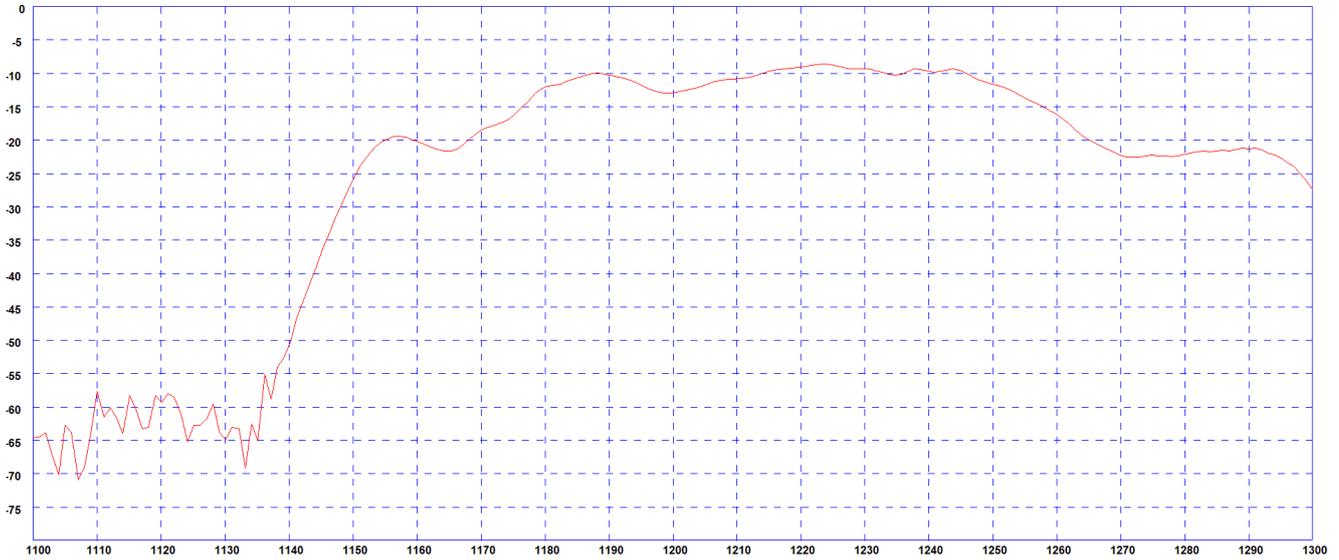


Part No.	GPS25MS-6SP		GPS25MS-6FAKCJ
GPS Data			
Frequency Range (MHz)	Lower Bands	1136-1300 MHz	
	Upper Bands	1559-1612 MHz	
Band Covered	Lower Bands	L2, L5, E5, B2, B5, G2,	
	Upper Bands	L1,E1,B1,G1	
Nominal Impedance	50Ω		
Typical VSWR	<2.5:1		
LNA Gain	37 +/- 3 dB		
Axial Ratio	3 dB		
Polarisation	Right Hand Circular		
Operating Voltage	3 - 12V DC (fed via coax)		
Operating Current	<26mA		
Mechanical Data			
Dimensions	Base Height	29mm (1.14")	
	Base Length	72mm (2.83")	
	Base Width	67mm (2.63")	
Operating Temp (°C)	-40°/+80°C (-40°/176°F)		
Material	ASA		
Colour	Black		
Mounting Data			
Fixing	Magnet mount / Adhesive Mount		
Cable Data			
GPS Cable	Type	FR RG174 (Complies with UN ECE R118)	
	Diameter	2.8mm (0.1")	
	Length	6m (19.68')	
	Termination	SMA (m)	FAKRA C Jack



Electrical Data

Low Frequency Swept Gain Plot*



*Measured on 600x600mm (2'x2') ground plane

High Frequency Swept Gain Plot*



*Measured on 600x600mm (2'x2') ground plane