

GPS/GNSS Combination Panel Mount

GPSK-FF



Active GPS/GNSS element

Single hole fixing

Supports VHF or UHF whips

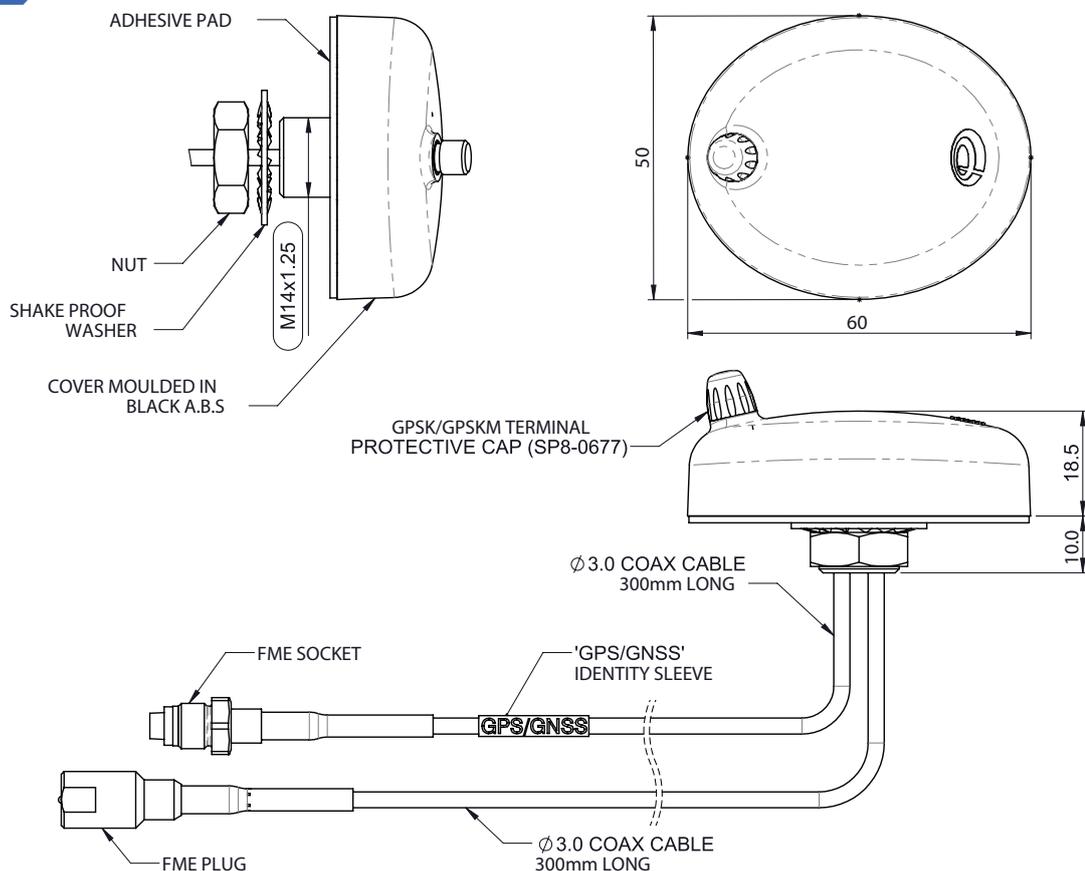
The GPSK antenna base provides a dual function antenna solution incorporates an active GNSS antenna module with 26dB gain LNA, which supports GPS L1, GLONASS G1, BeiDou and Galileo E1 services.

The base can be fitted with a range of VHF or UHF whips depending on the installation requirement and can be mounted on panels up to 6mm thick in a single 15mm hole. An extender kit is available as an option for use when fitting to a thick mounting panel.

The dual function of the GPSK makes it a popular choice for Public Safety, Transportation and Utility Vehicle applications.

The GPSK can be supplied as a complete "plug and play" kit to suit popular VHF and UHF radio terminals.

Technical Drawing



GPS/GNSS Combination Panel Mount

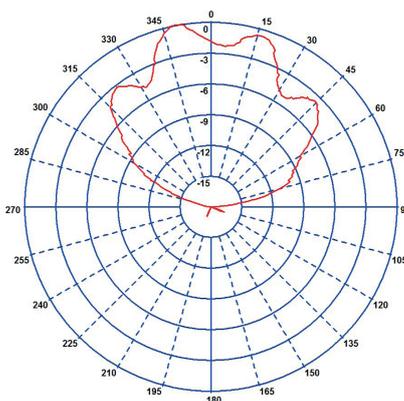
GPSK-FF

Product Data

Part No.		GPSK-FF
GPS Data		
Frequency Range (MHz)	1575-1612	
VSWR	<2.0:1	
Gain: LNA	26dB	
Polarisation	Right Hand Circular	
Operating Voltage	3 - 5V DC (fed via coax)	
Current	<20mA	
Mechanical Data		
Dimensions (mm)	Base Height	18.5 (.7")
	Base Length	60 (2")
	Base Width	50 (1.9")
Operating Temp (°C)	-40° / +80°C (-40° / 176°F)	
Material	High Impact U.V. Stable A.B.S	
Colour	Black	
Ingress Protection	IP65	
Mounting Data		
Fixing	Panel mount	
Hole Size (mm)	15 (5/8")	
Cable Data		
GPS/GNSS Cable	Type	RG174
	Diameter (mm)	2.8 (.1")
	Length (m)	0.3 (12")
	Termination	FME Socket
Comms Cable	Type	RG174
	Diameter (mm)	2.8 (.1")
	Length (m)	0.3 (12")
	Termination	FME Plug

Electrical Data

Typical GPS (1575MHz) E plane



Typical GLONASS (1602MHz) E-plane

