

GPSF-FF

GPS Combination Antennas

v.2 02/08/2016

GPSF-FF

Panel mount

Active GPS element & comms function

Perfect for asset tracking

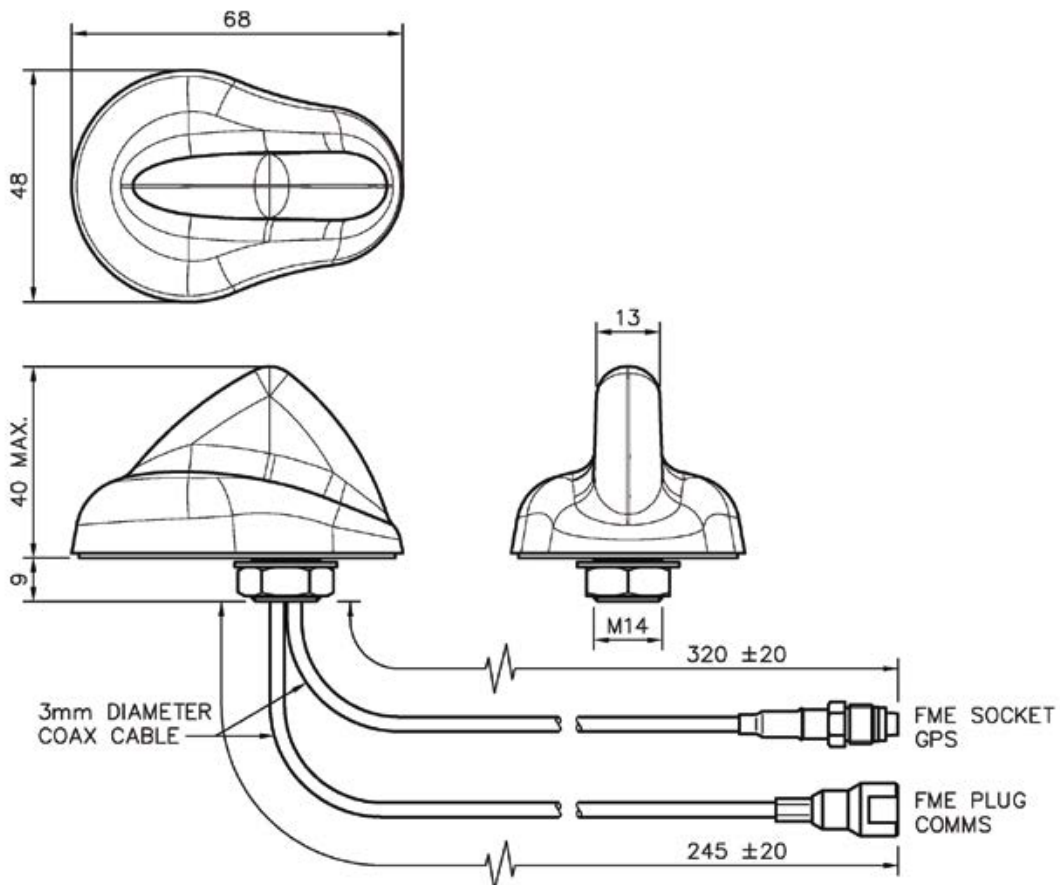


The GPSF is a dual function, compact 'fin' style antenna offering 2G & 3G functionality along with an active GPS element, all within one housing.

The antenna only requires a single hole for installation on the roof of a vehicle. The combination of a low profile design and multi-functionality that the fin offers makes it an ideal choice for discreet installations.

The GPSF meets stringent environmental testing to ensure it is suitable for rugged applications.

Technical Drawing



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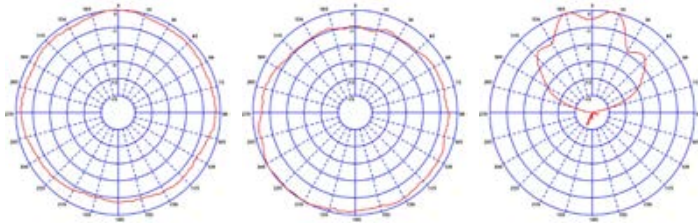
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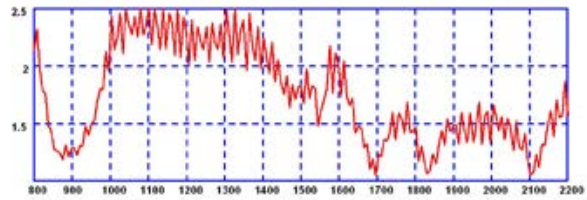
GPSF-VAR

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Typical H-Plane (900MHz) Typical H-Plane (2100MHz) Typical E-Plane (GPS)



Typical VSWR*



*VSWR measured on 400 x 400 mm (15' x 15') ground plane with 5m (17') of CS23 (RG58 c/u) cable

Part No.		GPSF-FF
Electrical Data		
Frequency Range (MHz)	890-960, 1710-2170	
Operational Band	GSM900, GSM1800, GSM1900, 3G UMTS	
Peak Gain: Isotropic	2dBi	
Compared to ¼ wave	0dB	
Pattern	Omni-directional	
Polarisation	Vertical	
Impedance	50Ω	
Max Input Power (W)	25	
GPS Data		
Frequency Range (MHz)	1575	
VSWR	< 2.0:1 ± 4MHz	
Gain: LNA	26dB	
Polarisation	Right Hand Circular	
Operating Voltage	3-5V DC (fed via coax)	
Current	Typical 15mA	
Mechanical Data		
Dimensions (mm)	Height	40 (1½")
	Width	48 (2")
	Length	68 (2¾")
Operating Temp (°C)	-40° / +80°C (-40° / 176°F)	
Material	ABS	
Colour	Black	
Mounting Data		
Fixing	Panel mount	
Hole Size (mm)	14 (½")	
Cable Data		
Type	RG174	
Length (m)	GPS Cable	0.32 (12")
	Comms Cable	0.24 (9½")
Termination	GPS	FME socket
	Comms	FME plug