

Details

This 25mm patch antenna is coupled with a 28dBi gain active amplifier which operates from 2.5 VDC to 12 VDC with a low 11mA consumption (at 2.5 VDC).

The GPS1 comes enclosed in a UV stable, high impact, fully weatherised housing, with 5m of double screened low-loss RG174 (type) cable terminated with an MCX connector (other connectors available on request).

The GPS1-BKT is an optional mounting bracket kit which mates with the GPS1 antenna. This kit includes a black chrome plated stainless steel bracket and fittings. The bracket's 16mm hole allows mounting of a variety of RFI ground independent mobile antennas. The result is a neat multiband antenna installation.

Specifications

Frequency	1575.42MHz
VSWR	1.5 typical @ fo
Dimensions mm	44 x 34 x 12 \pm 0.5mm
Weight kg	0.088
Mounting	Magnet
Cable and Connector	5m RG174 terminated with MCX connector. See note (1)
Operational Temp.	-40 to +85°C
Storage Temp.	-40 to +100°C
Impedance	50Ohm
Polarisation	RHCP
Power Input	+2.5Vdc to +12Vdc input, auto switching / Reverse polarity short circuit shutdown
Power Consumption	11mA to 15mA (max)
Over-Current	Thermal over-current shutdown >+150°C
Noise Figure db	+2.75
System Gain	28dBi
Cable Attenuation	4 dB over 5m