

# GPS-2/804

VHF/GPS - Combi magnitic Multiband mobile antenna with unity gain VHF whip

The GPS-2/804 is a whip and base combination for magnetic roof mounting. Combining an integrated GNSS antenna and a unity gain VHF whip, specifically 136 - 240 MHz.

With a meticulously constructed base made of PA, it is durable and strong.

The whip is made of stainless steel, black chromed to withstand the harshest conditions.

## ELECTRICAL SPECIFICATIONS

Type	VHF whip antenna (1/4 $\lambda$ ) GPS Magnetic Base Kit
Frequency	VHF: 136-240 MHz GPS: 1575.42 MHz
Bandwidth	7 MHz ( $\leq 1.5:1$ ), 20 MHz ( $< 2.0:1$ )
V.S.W.R	$\leq 1.5:1$ (7 MHz) $< 2.0:1$ (20 MHz)
Impedance	50 Ohm
Polarisation	Linear (VHF), Right Hand Circular (RHC) (GNSS)
Gain	0 dBd, 2.15 dBi (VHF)
Satellite System	GPS and Galileo
LNA Gain	25 dBi
Noise Figure	Max 2.1 dB
Supply Voltage	2.7 - 5.0 VDC
Current Consumption, Average	12 mA @ 2.7 VDC 26 mA @ 5 VDC
Max. Input Power	50 W (VHF)



## Datasheet

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## MECHANICAL SPECIFICATIONS

Color	Black
Dimensions	Mount: Ø 95 mm Whip length: approx. 525 mm
Weight	400 g
Mounting	Magnetic On horizontal surface (Vehicle roof etc.)
Mounting Instructions	Antenna Whip must be cut to specified frequency.
Materials	PA, PCB, Black anodized steel
Operating Temperature	-30 to + 80°C
Connector	BNC-male (VHF) SMA-male (GPS)
Cable	5.0 m RG-58 (VHF) 5.0 m RG-174 (GPS)
Ingress Protection	IP65 (When mounted)
Serial No.	On product label

## ORDERING INFORMATION

GPS-2/804	Base (BA-804) and Whip (WCK-2)
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## PACKAGING INFORMATION

Type	In Bag
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