

GPS Antenna with a $\frac{1}{4} \lambda$ Multiband Mobile Antenna for the 2G/3G/4G cellular bands and the 2.4 GHz WIFI

DESCRIPTION

- External antenna whip mounted on the GPS-Combi mount.
- Multiband antenna covering GSM, UMTS, LTE, DCS and WIFI.
- Easily removable whip for car wash.

GPS-antenna for fixed installations.

- Full hemispherical coverage.
- Built-in high gain, low noise amplifier.
- Right-Hand Circular Polarisation (RHCP).
- 5 V supply voltage (3 V respectively 12 V available on request).
- DC supply via RF-connector.

GPS Antenna	
P1dB (GPS Amplifier)	Approx. +7 dBm
Gain (GPS)	28 dBic in axial direction (typ.)
Antenna Type (GPS)	Active patch antenna
Noise Figure (GPS Amplifier)	< 1 dB (typ.)
Cross Polar Discrimination (GPS)	> 10 dB (typ.)
Gain (GPS Amplifier)	> 30 dB (typ.)
SWR (GPS Amplifier)	< 2.0:1
Selectivity (GPS)	> 45 dB down @ +/- 45 MHz
Frequency (GPS)	1575 MHz
Weight (GPS)	0.114 kg / 0.25 lb
Power Supply (GPS)	5 ± 0.5 VDC (3 V resp. 12 V on request)
Polarisation (GPS)	RHCP
Impedance (GPS)	50 Ω
Materials (GPS)	Cu-nite brass Stainless steel Reinforced thermoplastic

ORDERING

Type	Product No.
GPS-C 4G	132000199
PRO-QUAD GSM/DCS/UMTS/WIFI	200002490
PRO-PHY-500-3400-4	210002539



SPECIFICATIONS

Electrical	
Model	GPS-C 4G
Frequency	698 - 790 MHz (LTE) 880 - 960 MHz (EGSM) 1710 - 1880 MHz (DCS/LTE) 1900 - 2200 MHz (UMTS/LTE) 2400 - 2700 MHz (WIFI/LTE)
Antenna Type	Multiband antenna
Polarisation	Vertical
Impedance	50 Ω
SWR	< 2.5:1
Maximum Input Power	25 W
Current Consumption	Approx. 25 mA
Gain (EIA RS-329-1)	0 dB

Mechanical	
Antenna Colour	Black
Connection(s)	FME (male for GPS) + FME (female for mobile antenna)
Materials	Black-chromed brass, Black POM
Installation Torque	4 +/- 0.5 Nm
Colour	Black
Dimensions	Approx. 30 x 89 mm
Height	71 mm / 2.80 in.
Max. Roof Thickness	Max. 2.5 mm
Weight	0.02 kg / 0.04 lb
Mounting	18 mm dia. hole for roof thickness up to 2.0 mm 18.5 mm dia hole for roof thickness 2.0 - 2.5 mm Tools for mounting included

