

# GPS-9013C

## Four in One Multiband Antenna (UHF/Cellular/WLAN/GNSS) with Unity Gain Whip

Roof mounted four in one combination antenna base with UHF, Cellular, WLAN and Active GNSS Antennas.

- UnityGain UHF Whip
- Multiple bands in one installation
  - TETRA
  - GSM/UMTS/LTE/5G NR
  - WLAN
  - GLONASS/GPS/Galileo/BeiDou
- High quality compact construction



## ELECTRICAL SPECIFICATIONS

Type	Combination Antenna
Frequency	380-480 MHz (UHF) 690-960 MHz, 1427 - 1518 MHz, 1710 -2690 MHz, 3300 - 4200 MHz (Cellular) 2400 - 2485 MHz, 5250 - 5850 MHz (WLAN) 1552 - 1608 MHz (GNSS)
Bandwidth	See 'FREQUENCY'
Impedance	50 Ohm
VSWR	≤1.3 @ f.res (380-480 MHz), ≤3.0 (690-960 MHz, 1427 - 1518 MHz, 1710 -2690 MHz, 2400 - 2485 MHz, 3300 - 4200 MHz, 5250 -5850 MHz)
Polarisation	Linear (UHF, Cellular, WLAN), Right Hand Circular (RHC) (GNSS)
Gain	0 dBd, 2.15 dBi (380 - 470 MHz, 690 - 960 MHz, 2400 - 2485 MHz) 2 dBd, 4.15 dBi (1427 - 1518 MHz, 1710 -2690 MHz, 5250 - 5850 MHz) 3 dBd, 5.15 dBi (3300 - 4200 MHz)
Max power	10 W (Cellular, WLAN) 20 W (UHF)
LNA Gain	26 dB (GNSS)
Noise figure	≤1.5 dB (GNSS)
Supply Voltage	2.7 - 5.1 VDC
Current Consumption, Average	13 mA @ 3.0 VDC (GNSS)

## Datasheet

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## MECHANICAL SPECIFICATIONS

Color	Black
Weight	330 g
Dimensions	140 x 62 x TBA mm
Mounting Hole	15 x 15 mm or Ø 19.0 mm
Mounting Place	On vertical or horizontal surfaces (conductive)
Mounting Instructions	Antenna Whip must be cut to specified frequency. See cutting diagram (TBA).
Materials	Aluminum (6082), PA6, Fibreglass, PCB, Brass, PE
Operating Temperature	-40 to +80°C
Cable	300 mm RG316/U (UHF), 200 mm RG316/U (Cellular), 350 mm RG316/U (WLAN), 500 mm RG174/U (GNSS)
Connector	BNC-male (UHF), SMA-male (Cellular, GNSS, WLAN)
Ingress Protection	IP65 (When mounted)
Serial No.	On product label

## ORDERING INFORMATION

GPS-9013C	In bag
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