

GPS-821

Three in One Multiband Antenna (VHF, Cellular, GNSS) with High Gain Whip

Roof mounted three in one combination antenna base with VHF, Cellular and Active GNSS Antennas. High quality compact construction designed for through hole mounting.

- High Gain VHF Whip
- Multiple bands in one installation
 - VHF
 - Cellular (GSM, UMTS, LTE, 5G NR)
 - GNSS (GPS and Galileo)

ELECTRICAL SPECIFICATIONS

Frequency	136 - 240 MHz (VHF) 824 - 960 MHz, 1710 - 2170 MHz (Cellular) 1574.42 - 1576.42 MHz (GNSS)
Bandwidth	7 MHz @ f.res (VSWR ≤ 2.0) (VHF) See 'FREQUENCY' (Cellular, GNSS)
VSWR	≤ 2.0:1 (VHF, Cellular)
Impedance	50 Ohm
Polarisation	Verical (VHF, Cellular), Right Hand Circular (RHC) (GNSS)
Gain	3 dBd, 5.15 dBi (VHF) 0 dBd, 2.15 dBi (Cellular)
Satellite System	GPS and Galileo
LNA Gain	25 dB (GNSS)
Noise Figure	Max 2.1 dB
Supply Voltage	2.7 - 5.0 VDC
Current Consumption, Average	12 mA @ 2.7 VDC 26 mA @ 5.0 VDC
Max. Input Power	15 W (VHF), 10 W (Cellular)



Datasheet

MECHANICAL SPECIFICATIONS

Color	Black
Weight	160 g
Dimensions	95 x 52 x 620 mm
Mounting	Bolt-on. On vertical or horizontal surfaces (conductive)
Mounting Hole	15 x 15 mm or Ø 19 mm
Mounting Instructions	Antenna Whip must be cut to specified frequency. See cutting diagram (TBA).
Materials	Aluminum, PA, SS, PCB, Brass, Copper, PE
Operating Temperature	-30 to +80°C
Cable	5.0 m RG58 (VHF), 5.0 m RG-174 (Cellular, GNSS)
Connector	TNC-male (VHF), FME-female (Cellular), SMA-male (GNSS)
Ingress Protection	IP65
Serial No.	On product label

ORDERING INFORMATION

GPS-821	Antenna - In Polybag
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