

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

2 / 2

MECHANICAL SPECIFICATIONS

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|-----------------------|---|
| 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

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| GPS-821 | Antenna - In Polybag |
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