

GPS-976

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. High quality compact construction desinged for through hole mounting.

- Unity Gain UHF Whip
- Multiple bands in one installation
 - UHF (Tetra, PMR)
 - Cellular (GSM, UMTS, LTE, 5G NR)
 - WLAN (IEEE 802.11 a/b/g/h/j/n/p/ac)
 - GNSS (GLONASS, GPS, Galileo and BeiDou)

ELECTRICAL SPECIFICATIONS

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|------------------------------|---|
| Type | Combination Antenna |
| Frequency | 380 - 410 MHz (UHF) 790-960 MHz, 1710-2690 MHz (Cellular) 2400-2485 MHz, 5250-5850 MHz (WLAN) 1552 - 1608 MHz (GNSS) |
| Bandwidth | See 'FREQUENCY' |
| VSWR | ≤1.8:1 (UHF), ≤3.3:1 (Cellular), ≤2.0:1 (WLAN) |
| Impedance | 50 Ohm |
| Polarisation | Linear (UHF, Cellular, WLAN), RHC (Right Hand Circular)(GNSS) |
| Gain | 0 dBd, 2.15 dBi (UHF, Cellular, WLAN) |
| Satellite System | GLONASS, GPS, Galileo and BeiDou |
| LNA Gain | 18 dB @ 2.7 VDC 22 dB @ 5.0 VDC |
| Noise Figure | Min. 1.7 dB Max. 2.1 dB |
| Supply Voltage | 2.7 - 5.1 VDC |
| Current Consumption, Average | 10 mA @ 2.7 VDC 16 mA @ 5.0 VDC |
| Max. Input Power | 10 W |



Datasheet

MECHANICAL SPECIFICATIONS

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|-----------------------|---|
| Color | Black |
| Dimensions | 95 x 52 x 95 mm |
| Weight | 180 g |
| Mounting | Bolt-on |
| Mounting Place | On vertical or horizontal surfaces (conductive). E.g. car roofs, metering cabinets and brackets |
| Mounting Hole | 15 x 15 mm or Ø 19.0 mm |
| Materials | PA, Rubber, SS, Copper, Brass, PCB (TBC) |
| Operating Temperature | -30 to +80°C |
| Connector | FME-male (UHF, Cellular), SMA-male (WLAN, GNSS) |
| Cable | 180 mm RG-316 (UHF), 140 mm RG-174 (Cellular), 220 mm RG-174 (WLAN), 210 mm RG-174 (GNSS) |
| Ingress Protection | IP65 (when mounted) |
| Serial No. | On product label |

ORDERING INFORMATION

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| GPS-976 | Antenna - In polybag |
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