

GPSHPDLTEMIMO-SF



Low-profile antenna, Integrated antennas: 2x LTE, 2x 2,4/5 GHz Wi-Fi, 1x GPS
 LTE Frequencies: 698 - 960 / 1710 - 2700 MHz, Wi-Fi Frequencies: 2.4 / 5 GHz, GPS L1, Outdoor / Indoor

| GENERAL DATA | |
|-------------------------------|-----------------------------------|
| Type | Multiband antenna |
| Integrated antennas | 2x LTE, 2x 2.4/5 GHz WLAN, 1x GPS |
| GSM/GPRS/EDGE Frequencies | 850 / 900 / 1800 / 1900 MHz |
| UMTS/WCDMA Frequencies | 2100 MHz |
| LTE Frequencies | 700 / 800 / 1800 / 2600 MHz |
| Wi-Fi Frequencies | 2.4 / 5 GHz |
| License-free ISM Band | 869 MHz range |
| Frequency Band GPRS/UMTS/LTE | UHF / SHF |
| Operating Area | Outdoor / Indoor |
| Construction type | Low-profile antenna |
| Radiation type | Omnidirectional |
| High Rejection Filter | Yes |
| ELECTRICAL CHARACTERISTICS | |
| GNSS bands | GPS L1 |
| Frequency range GPRS/UMTS/LTE | 698 - 960 / 1710 - 2700 MHz |
| Frequency range Wi-Fi | 2400 - 2500 / 4900 - 5900 GHz |
| Frequency range GPS | 1575.42 MHz |
| Gain GPRS/UMTS/LTE | 2.5 dBi |
| Gain WLAN | 3 - 4 dBi |
| Power (max) | 50 W |
| Impedance | 50 Ω |
| Polarization | Vertical / Horizontal |
| VSWR | < 2.0:1 |
| Front to Back Ratio | ≥ 26 dB |

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| LOW NOISE AMPLIFIER (LNA) | |
|-------------------------------|-------------------------------------------------------------------|
| Low Noise Amplifier frequency | 1575.42 MHz |
| Output VSWR | < 1.5:1 |
| Typical Noise Figure | 1.8 dB |
| Power supply | 3 - 12 V DC / 20 mA |
| PHYSICAL CHARACTERISTICS | |
| Material | Polycarbonate |
| Dimensions (Ø x L) | 132 x 94 mm |
| Mounting | ¾" thru-hole |
| ENVIRONMENTAL | |
| Operating temperature range | -40 - +85 °C |
| Ingress protection | IP67 |
| CONNECTOR CHARACTERISTICS | |
| Antenna Connector | 2x SMA (m) for LTE / 2x RP-SMA (m) for Wi-Fi / 1x SMA (m) for GPS |
| Connector Amount | 5 |
| Cable Length | 500 cm |