

GPSHPMIMO-LTW



Low-profile antenna, Integrated antennas: 1x LTE, 2x 2,4/5 GHz Wi-Fi, 1x GPS  
 LTE Frequencies: 698 - 960 / 1710 - 2170 / 2300 - 2700 MHz, Wi-Fi Frequencies: 2.4 / 5 GHz, GPS L1, Outdoor / Indoor

| GENERAL DATA                  |   |
|-------------------------------|---|
| Type                          | Multiband antenna                         |
| Integrated antennas           | 1x 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 - 2170 / 2300 - 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                                   |

## GPSHPMIMO-LTW

| 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)            | 112 x 85.1 mm   |
| Mounting                      | ¾" thru-hole  |
| ENVIRONMENTAL                 |   |
| Operating temperature range   | -40 - +85 °C  |
| Ingress protection            | IP67  |
| CONNECTOR CHARACTERISTICS     |   |
| Antenna Connector             | 1x SMA (m) for LTE / 2x RP-SMA (m) for Wi-Fi / 1x SMA (m) for GPS |
| Connector Amount              | 4   |
| Cable Length                  | 500 cm  |