

GPS +GSM ANTENNA



I GPS Patch Antenna Specification:

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|------------------|--|
| Center Frequency | 1575.42MHz \pm 3 MHz |
| V.S.W.R | 1.5:1 |
| Band Width | \pm 5 MHz |
| Attenuation | $f_0 \pm 100\text{MHz} > 30\text{dB}$ |
| Impedence | 50 ohm |
| Peak Gain | $> 3\text{dBic}$ Based on 7cm \times 7cm ground plane |
| Gain Coverage | $> -4\text{dBic}$ at $-90^\circ < 0 < +90^\circ$ (over 75% Volume) |
| Polarization | RHCP |

II LNA Specification

| | |
|-----------------------------|--------------|
| LNA Gain (Without cable) | 27dB Typical |
| Noise Figure | 1.5dB Max |
| V.S.W.R | < 2.0 |
| DC Voltage | 3V/5V |
| DC current | 12mA Max |

III GSM Antenna Specification

ICDISTRIBUTION

| | |
|-------------------|----------------------------------|
| Working Frequency | 890MHz~960MHz 1710MHz~1880MHz |
| V.S.W.R | 2:1 |
| Band Width | 40MHz@900MHz 100MHz@1800MHz |
| Impedence | 50 ohm |
| Peak Gain | 2dBi@900 MHz 1dBi@1800 MHz |
| Azimuth | Omni-directional |

IV Mechanical Specification

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|-----------|---|
| Weight | < 100 gram |
| Size | φ 77mm × 15mm |
| Cable | SYV-50-2 5meter long or other RG174 5meter long or other Optional |
| Connector | FME, TNC, SMA, BNC, MCX and MMCX etc. Optional |
| Mounting | Stick with glue |
| Housing | Black |

V Environmental Specification

| | |
|--------------|--|
| Working Temp | -40°C ~ +85°C |
| Storage Temp | -40°C ~ +100°C |
| Vibration | Sine sweep 1g(0-p) 10~50~10Hz each axis |
| Humidity | 95%~100%RH |
| Waterproof | 100% Waterproof |