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# MPA1575D254GSW

Compact Active Tri-Band GPS/GSM/WIFI Antenna



## PRODUCT DESCRIPTION

MPA1575D254GSW is an externally mounted tri-band GPS/GSM/WIFI antenna and active LNA that provides continuous band with high-gain (30dB) and low power consumption to a wide selection of GPS/GSM/WIFI receivers in today's market. It is Maxtena's integration of a high-performance tri-band GPS/GSM patch antenna and a low noise amplifier into a low profile, extremely compact and fully waterproof enclosure.

## SPECIFICATIONS

|                       | Min                                       | Typical     | Max       | Unit |
|-----------------------|---|-------------|-----------|------|
| Frequency GPS         |   | 1575.42     |           | MHz  |
| Frequency GSM         |   | 824-894     | 1710-1990 | MHz  |
| Frequency WIFI        |   | 2400-2500   |           | MHz  |
| Housing               |   | Black       |           | N/A  |
| Polarization          |   | Right-Hand  |           | RCHP |
| Noise Figure          |   | 1.5         |           | dBic |
| V.S.W.R               |   | 1.5:1       |           | N/A  |
| Connector             | SMA/SMB/SMC                               | BNC/FME/TNC | MCX/MMCX  | N/A  |
| LNA Gain              |   | 30          |           | dBic |
| Total Gain            |   | 32          |           | dBic |
| Handling Power        |   | 1           |           | W    |
| DC Current            |   | 5-15        |           | mA   |
| DC Voltage            |   | 2.5-5.0     |           | V    |
| Cable                 |   | 3           | 5         | M    |
| Impedance             |   | 50          |           | Ohms |
| Overall Dimensions    | 59 (diameter) x 52 (length) x 15 (height) |             |           | mm   |
| Operating Temperature | -40                                       | 20          | +85       | °C   |

