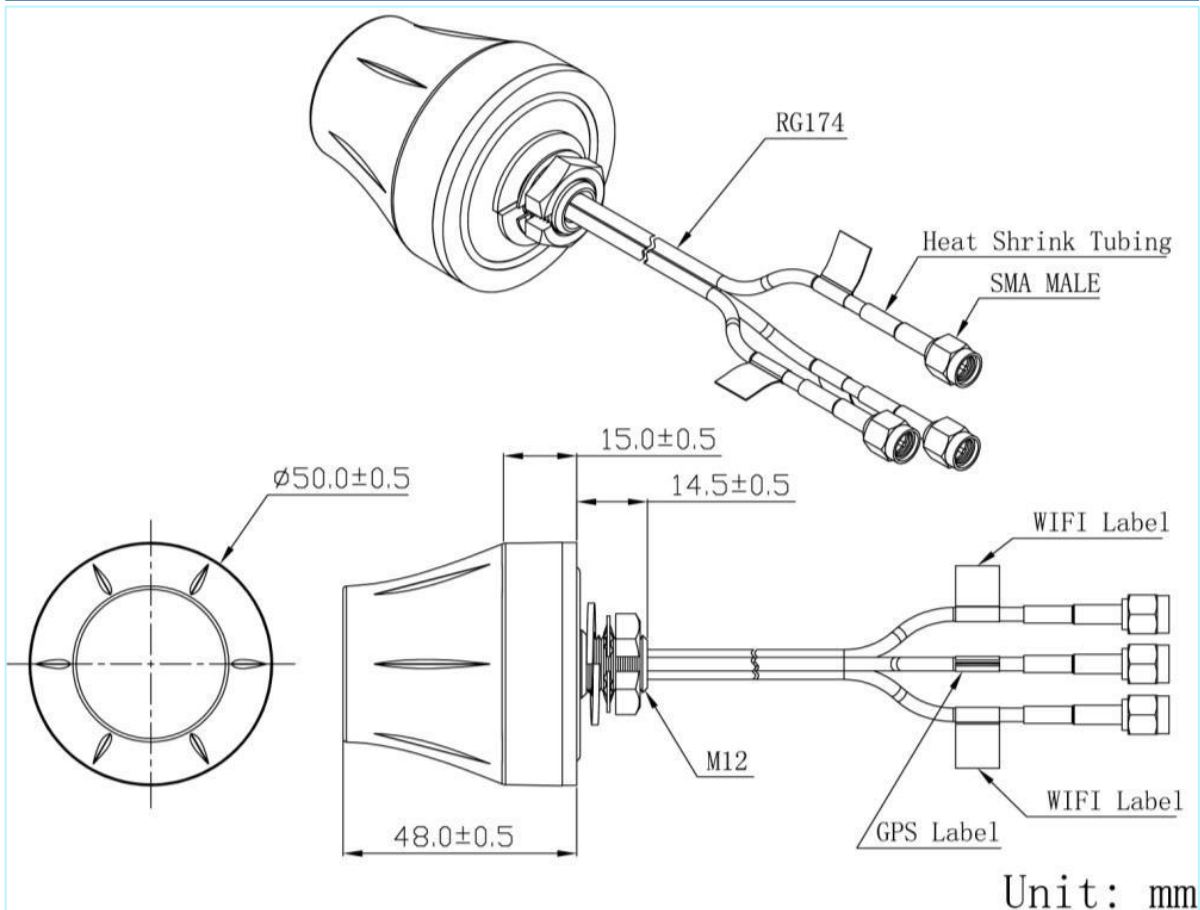


GPS+LTE (including 700MHz)+WIFI Combination Antenna screw mount

AN_GPS_LTE_WF_058



Mechanical dimension



Suzhou maswell communication technology co. Ltd

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GPS+LTE (including 700MHz)+WIFI Combination Antenna screw

Specifications

| Item | | Specifications | |
|--------------|---------------------|---------------------|--|
| GPS Antenna | Dielectric Antenna | Center Frequency | 1575.42±3MHz |
| | | Band Width | CF±5MHz |
| | | Polarization | RHCP |
| | | Gain | 2dBic (Zenith) |
| | | V.S.W.R | <1.5 |
| | | Impedance | 50Ω |
| | | Axial Ratio | 3dB (max) |
| | LNA | Gain | 28±2dB |
| | | Noise Figure | <1.5dB |
| | | Ex-band Attenuation | 12dB@CF+50MHz/16dB@CF-50MHz |
| | | V.S.W.R | <2.0 |
| | | Supply Voltage | 2.2~5V DC |
| | Current Consumption | <15mA | |
| GSM Antenna | | Frequency Range | 698~960/1710~2690MHz |
| | | V.S.W.R | <2.0 |
| | | Polarization | Linear |
| | | Gain | 2.0dBi |
| | | Impedance | 50Ω |
| WIFI Antenna | | Frequency Range | 2400~2483.5MHz |
| | | Band Width | 83.5MHz |
| | | Polarization | Linear |
| | | Gain | 3dBi |
| | | V.S.W.R | <2.0 |
| | | Impedance | 50Ω |
| Mechanical | | Cable | 5 meters |
| | | Connector | SMA male for GPS,SMA male for GSM,RP-SMA plug for WiFi |
| | | Material | ABS |
| | | Mounting Method | Screw |

GPS+LTE (including 700MHz)+WIFI Combination Antenna screw

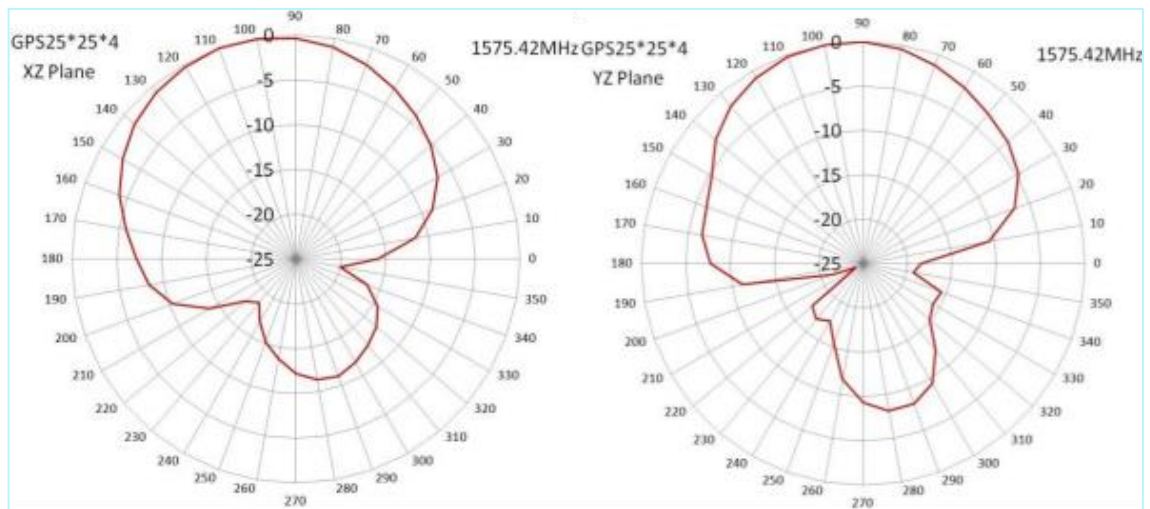
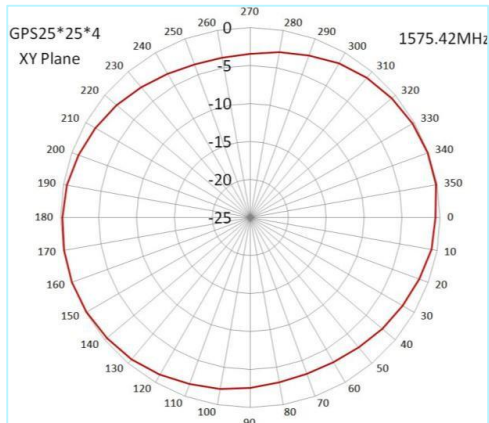
Specifications

| | | |
|---------------|--------------------------|---|
| Environmental | Operating Temperature | -40°C ~ +85°C |
| | Relative Humidity | Up to 95% |
| | Ingress Protection | IP66 (exclude cable outlet) |
| | Vibration | 10 to 55Hz with 1.5mm amplitude 2hours |
| | Environmentally Friendly | ROHS Compliant |

GPS+LTE (including 700MHz)+WIFI Combination Antenna screw

Radiation Patterns

GPS Antenna



GPS+LTE (including 700MHz)+WIFI Combination Antenna screw

Radiation Patterns

WIFI Antenna

