

**GG105 Roof Mount
GPS & Dual Band Cellular Antenna**



Introduction:

Our GPS (Global Positioning System) make your travels fun, safe, and convenient. No more getting lost in strange cities with road maps that are impossible to follow. The satellite technology pinpoints exactly where you are within 10 meters. Our all weather antenna gives a clear and precise signal or integrated Global Positioning Satellite Receiver. Relax and get where you want to go. Our technology makes it all possible.

Specification:

1. Patch antenna Element:

Center Frequency: 1575.42Mhz with 70m/m Square ground plane

Polarization: R. H. C. P

Bandwith: 9.0min Mhz Return less ≤ -10 dB

Gaint Zenith: +/-5.0 Typical dBi @1575.42 Mhz

Gaint 10° Elevation: -1.0 Typical dBi @1575.42 Mhz

Axial Ratio: 3dBi max

Output V. S. W. R: 1.5 max

Output Impedance: 50 Ω

2. GPS Low Noise Amplifier:

Center Frequency: 1575.42Mhz

Power Gain: 27dB typically

Bandwidth: 2Mhz min

Noise Figure: 1.5max

Outer Band Attenuation: 20dB min @ Fo +/- 50Mhz

Supply Voltages: 3.0 ~ 5.0 Vdc

Current Consumption: 20mA

V.S.W.R: 1.5 or less

Output Impedance: 50 Ω

3. Cable & Connector:

RF Cable: Standard 3M RG174/U for GPS (other cable and length available)

Standard 3M RG174/U for cellular phone (other cable and length Available)

Connector: Standard SMA for GPS (other connector available)

Standard FME for cellular phone (other connector available)

Pulling Strength: 7Kgs/10 Sec with Molded connector

Operating Temperature: -30° ~ 90°

4. Physical Construction:

Construction: ABS Cover

Cellular Phone: SMA connector

Dimension: 50.7mm x 71.7mm

Weight: 140g

Color Random: Standard in Black
(Other color available)

Standard Mounting: Roof Mount

Water Resistance: High Water Proof

5. AMPS (DTMA, CDMA) Antenna Element:

Frequency: 824Mhz ~ 896Mhz

1850Mhz ~ 1990Mhz

Gain: 3dBi

V.S.W.R: 50 Ω

6. GSM Antenna Element:

Frequency: 870Mhz ~ 960Mhz

1770Mhz ~ 1880Mhz

Gain: 3dBi

V.S.W.R: 1.5 or less

Impedance: 50 Ω

Connector: SMA

Notices: 1. Avoid the high temperature environment.

2. The DC voltage is requested.

3. Avoid putting any solid material upon the antenna.