

**Name**

Combination GPS/ Cellular Antenna with Fakra connectors

**Model No.**

GPSGSMF

**Product Description**

- \*High gain
- \*Low noise
- \*Wide frequency range
- \*Low power consumption
- \*Double Stick Mounting
- \*Used for GPS Alarm system ,GPS vehicle system and a wide variety of OEM system integrator and end user applications

**Specifications**

(i) Dielectric Antenna

Center Frequency 1575.42MHz±3 MHz

V.S.W.R 1.5:1

Band Width ±5 MHz

Impedence 50 ohm

Peak Gain >3dBic Based on 7×7cm ground plane

Gain Coverage >-4dBic at -90° <0<+90° (over 75% Volume)

Polarization RHCP

(ii) GSM Antenna

Center Frequency 824MHz~894MHz(AMPS);

880 MHz~960MHz(GSM); 1710MHz~1990MHz

V.S.W.R 2.0:1

Impedence 50 ohm

Typical Gain 2dBi+/-1dB at 850MHZ;

2dBi+/-1dB at 900MHZ

1dBi+/-1dB at 1800MHZ;

(iii) LNA/Filter

LNA Gain(Without cable) 28dB/other Typical

Noise Figure 1.5dB

Filter Out Band Attenuation (f0=1575.42 MHz)

7dB Min f0+/-20MHZ ;

20dB Min f0+/-50MHZ;

30dB Min f0+/-100MHZ

V.S.W.R <2.0

DC Voltage 3.3V

DC Current 5mA

(iv) Mechanical

Weight <130gram

Size 80 mm(D)×13mm(H)

Cable GPS-----RG174 ( 2.5 meter) 8.2 feet

GSM-----RG174 ( 2.5 meter) 8.2 feet

Connector GPS-----Fakra (Blue)

Also available in SMA/SMB/SMC/BNC/FME/TNC/MCX/MMCX or other

GSM----- Fakra (Violet)

Also available in SMA/SMB/SMC/BNC/FME/TNC/MCX/MMCX or other

Mounting ----- Double stick

Also available in Magnet , double stick with magnet or hole mounting

Housing ----- Black

(v) Environmental

Working Temp. -40°C~+85°C

Storage Temp. -45°C~+100°C

Vibration Sine sweep 1g(0-p)10~50~10Hz each axis

Humidity Humidity95%~100%RH

Weatherproof 100%Waterproof

[GPSantennas.com](http://GPSantennas.com)