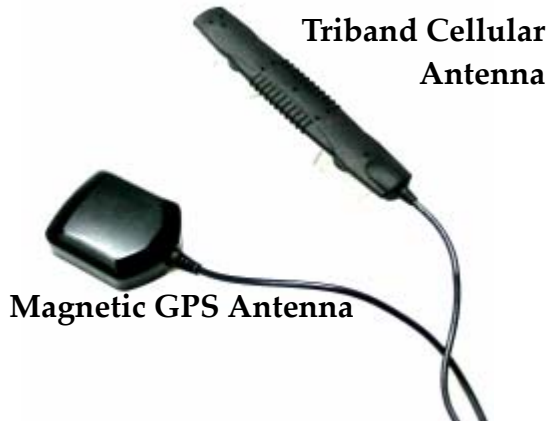


GPS and Cellular Antenna Bundled Set



Features

- ✓ 2.7V-6V operating voltage
- ✓ 27dB gain magnetic GPS antenna
- ✓ 800/900/1900MHz cellular antenna
- ✓ Compact size 1.9" x 1.6" x 0.5" (LWH)
- ✓ Separate installation allows best performance for each antenna

A GPS and cellular antenna bundled set is your most flexible and low-cost solution for your vehicle or asset tracking applications.

The bundled set offers the flexibility to install the GPS and cellular antennas separately into places where each antenna will have the best performance. No need to sacrifice performance of one for the other as with some combination antennas.

The standard bundled set has a magnetic GPS antenna (M827B) and window-mount triband cellular antenna (ACCTC). The compact and sleek designs of both antennas allow for easy installation in the open or covertly.

The M827B functions with a variety of GPS receivers and the ACCTC covers the most used cellular frequencies. These two antennas are the only ones you need for your current and next generation product. Switch out the box and use the same antennas.

Compare the performance against other similar bundled sets and you will see that the M827B/ACCTC bundled set is your choice.

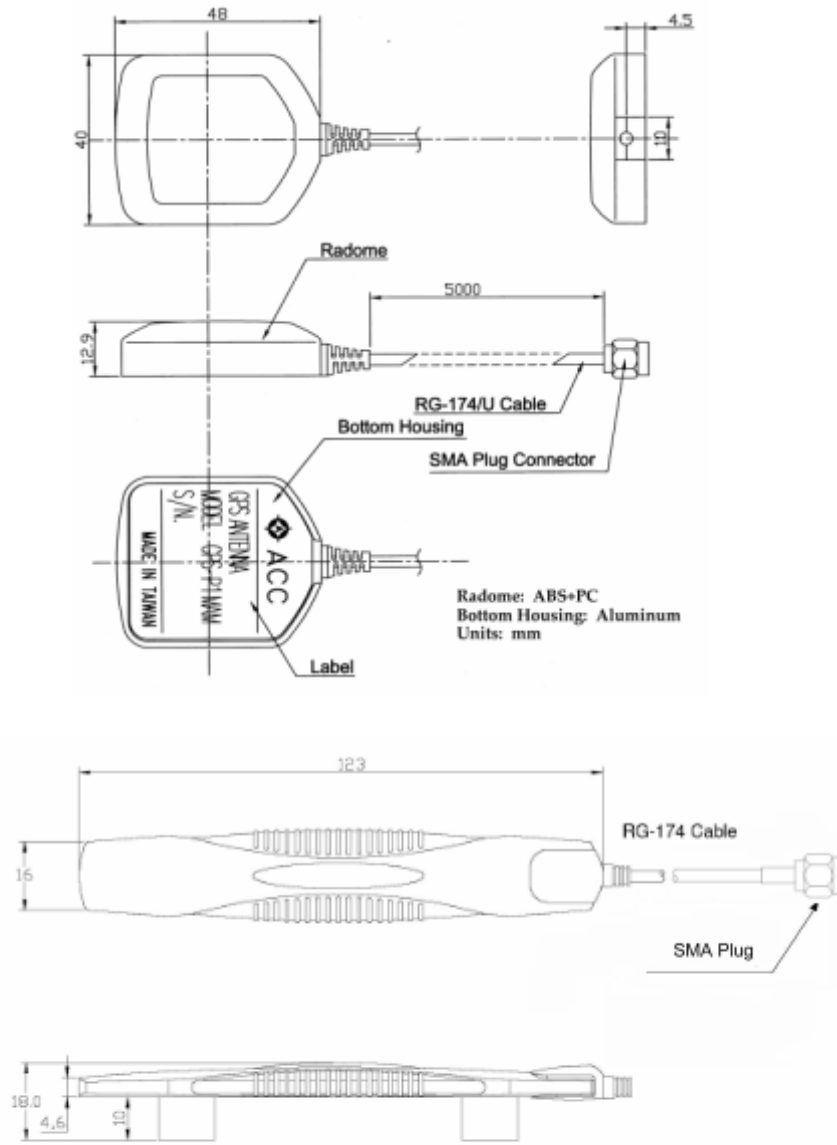
Model	M827B
GPS Antenna:	
Frequency	1575.42 ± 3 MHz
VSWR	1.5 max.
Bandwidth	20 MHz min. at -10 dB
Axial Ratio	3dB typical
Impedance	50Ω
Peak Gain	4 dBic min. (7cm x 7cm ground plane)
Gain Coverage	≥ -4dBic at -90° ≤ θ ≤ 90° (over 75% volume)
Power Handling	1 Watt
Polarization	RHCP
Amplifier Gain	27 dB typical
Noise Figure	1.5 dB typical
Output VSWR	2.0 max.
Operating Voltage	2.7 V to 6V
Current Consumption	6mA (2.7V) to 12mA (6V)
Mechanical:	
Size [LWH]	1.9" x 1.6" x 0.5" (48mm x 40mm x 13mm)
Cable Type & Length	16.4' (5m) RG174 std. Other lengths available
Connector Options	SMA plug std. BNC, SMB, MCX, MMCX, TNC, SMC
Mounting	Magnetic
Housing Color	Black
Environmental:	
Working Temp.	-40°F < T < +185°F (-40°C < T < +85°C)
Storage Temp.	-50°F < T < +203°F (-50°C < T < +95°C)
Vibration	Sine Sweep, 1G(0-P), 10-150-10Hz each axis
Weatherproof	Waterproof

Model	ACCTC
Antenna	
Frequency	824-960MHz, 1850-1990 MHz
VSWR	2.0 : 1
Impedance	50Ω
Peak Gain	3.1 dB
Pattern Type	Omni-directional
Mechanical	
Size [LWH]	4.84" x 0.87" x 0.71" (123.0mm x 22.1mm x 18mm)
Cable Type & Length	9.84' (3m) RG174 std. Other lengths available
Connector Options	SMA plug std. TNC, BNC, SMB, MCX, MMCX, SMC
Mounting	Suction Cups
Housing Color	Black

Note: Specifications subject to change without notice.



MECHANICAL DRAWING



ACCTC

Housing Material : PVC
Color : Black
Unit : mm

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETER TOLERANCES:	
ANGLE	± 1°
1 PLACE DECIMALS	±0.2
2 PLACE DECIMALS	±0.15
3 PLACE DECIMALS	±0.10

