

Section 5

CELLULAR MOBILE PHONE ANTENNAS

Updated 18 February 2011

SGL2000 3G Super Gain Light Design

Frequency
1920 – 2170 MHz

Bandwidth
3G Network



This model SGL2000 antenna is factory tuned for the 3G cellular mobile phone network operating in the frequency range 1920 to 2170 MHz. With 6.2 dBi gain, the antenna will deliver consistent and dependable results with maximum efficiency, particularly where signal strength is marginal.

The stainless steel spring and fibreglass radome stands 48 cm tall. The antenna mounts into any 16 mm hole and is secured firmly by the threaded stud and nut assembly at the base.

A range of brackets are available to suit various mounting positions such as your vehicle bull bar, guard, boot or truck mirror. The antenna can also be mounted in locations other than on a vehicle. No metal ground plane is necessary for the antenna to operate effectively.

5 metres of RG58 low loss cable bottom exits through the base and may be cut shorter if required. An FME female crimp connector is supplied.

The fibreglass radome is available in either Black or White. Specify your preference when ordering. A Brown radome can be supplied upon request.



The SGL2000 antenna for the 3G network is 48 cm tall and delivers 6.2 dBi gain

SPECIFICATIONS	SGL2000
Construction	Fibreglass radome, copper radiating elements, aluminium ferrule, electro-polished stainless steel spring
Radome Colours	Specify either a Black or White radome colour when ordering <i>(Brown available, but built to order)</i>
Cellular Mobile Phone Network Coverage	3G, 1920 – 2170 MHz
VSWR	Less than 1.6:1 across full band
Tuning	Factory
Gain	6.2 dBi
Power	30 Watts
Impedance	50 Ohms
Polarisation	Vertical
Cable	5 metres RG58 Low Loss cable bottom exits through spring and mount ferrule
Connector	FME female crimp supplied, not fitted
Height	48 cm
Weight	600 grams
Mounting	Secure into any 16 mm hole using the the threaded stud and nut assembly.
Recommended Mounting Positions	Vehicle bull bar, guard, boot or truck mirror. A mounting bracket is available separately.



Secure the antenna firmly into any 16 mm hole using the threaded stud and nut assembly



After securing the antenna in position and trimming the cable to the required length, fit the FME female crimp connector supplied.