

Interior Mount GPS & GSM/3G Antenna

Pulse/Larsen Part Number GPSGM800/2170 Family



Pulse/Larsen is proud to announce the addition of the GPSGM800/2170 family to the Navigation and Tracking Antenna Product line. This adhesive mount antenna operates at 824-960/ 1710-2170 MHz and GPS band of 1575.42 MHz. It is ideal for voice, mobile data, navigation and tracking applications.

The slim elliptical package is offered in a compact size of 3.94" x 2" x .3" (100 x 50 x 8 mm) and provides an aesthetically pleasing device for mounting to a windshield or dashboard. There are two RG-174 cables to connect to the radio and GPS receivers with SMA connectors. Other connector options and cable lengths are available on request.

Features

- GPS and GSM/3G antenna
- Slim, low profile elliptical package
- Easy double-sided tape mount
- RoHS Compliant Product

Applications

- Navigation Systems
- Asset Tracking
- Emergency Call Systems

P/N	Cable Length	Connector
GPSGM800/2170FS	16.4' (5 m)	GSM/3G - FME Female GPS - SMA Male

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Electrical Specifications

Frequency 1 [MHz]		824-960
Frequency 2 [MHz]		1710-2170
Frequency 3 [MHz]		1575.42
Nominal Impedance [Ω]		50
VSWR	Frequency 1	2.5:1
	Frequency 2	2.5:1
	Frequency 3	1.5:1
Gain	Frequency 1 [dBi avg]	2
	Frequency 2 [dBi avg]	4
Radiation Pattern	Horizontal Plane	
	Vertical Plane [Freq 1]	
	Vertical Plane [Freq 2]	
	Vertical Plane [Freq 3]	
	Vertical Plane [Freq 4]	
Polarization [Freq 1/2]		Linear Vertical
Polarization [GPS]		Omni Directional
Power Rating [W]		3

LNA Specifications

Gain (dB \pm 2)	26
Noise Figure	1.5 Max
Current Draw	12
Voltage	3 - 5

Environmental Specifications

Operating Temperature [$^{\circ}$ C]	-40 to +85
Storage Temperature [$^{\circ}$ C]	-40 to +85
Relative Humidity [%]	20 to 95

Mechanical Specifications

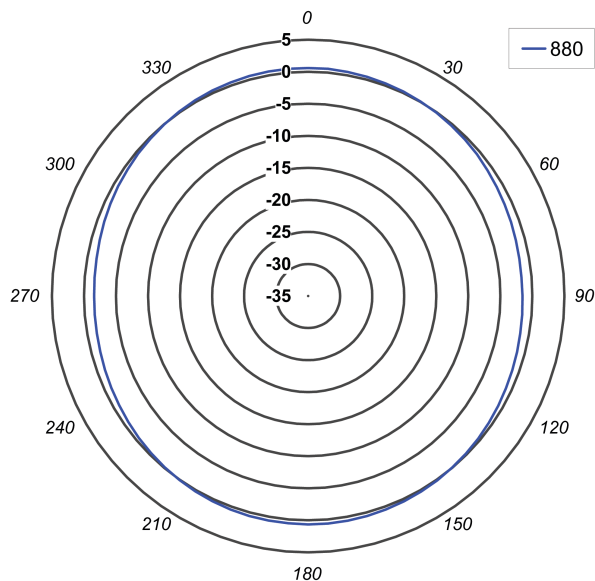
Radome Material	PC/PET [UV Stable]
Color	Black
Weight [lbs/g]	5.4 oz / 168
Dimensions [Inches/Meters]	3.94 x 2 x .3 [100 x 50 x 8]
Mounting	Adhesive Tape

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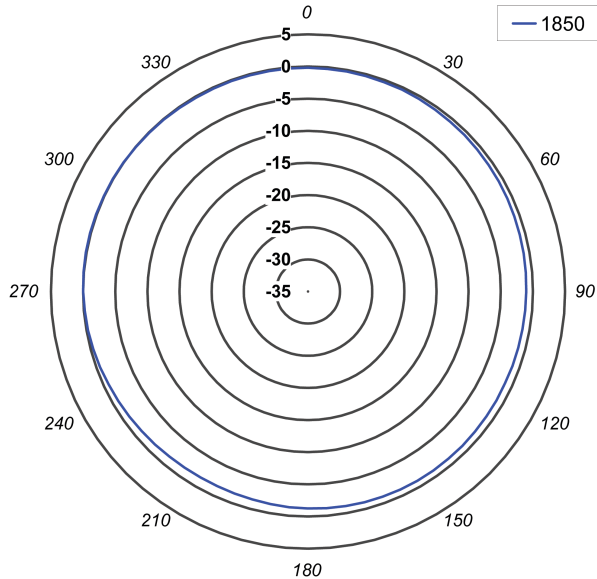
Pulse/Larsen Part Number GPSGM800/2170 Family

Radiation Patterns

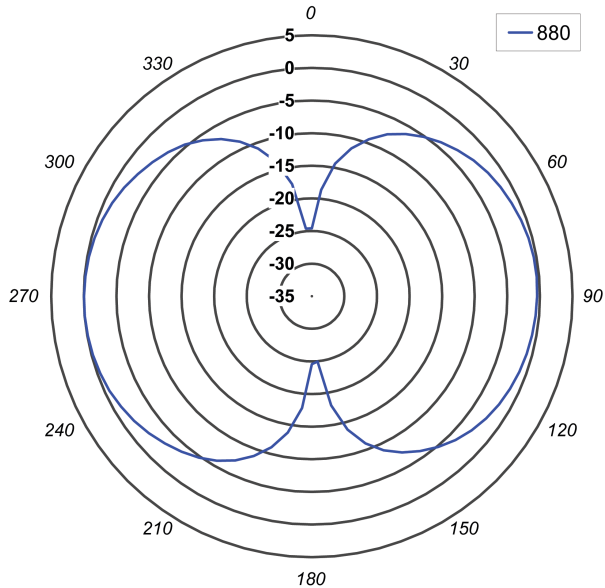
Horizontal Plane - 800 MHz



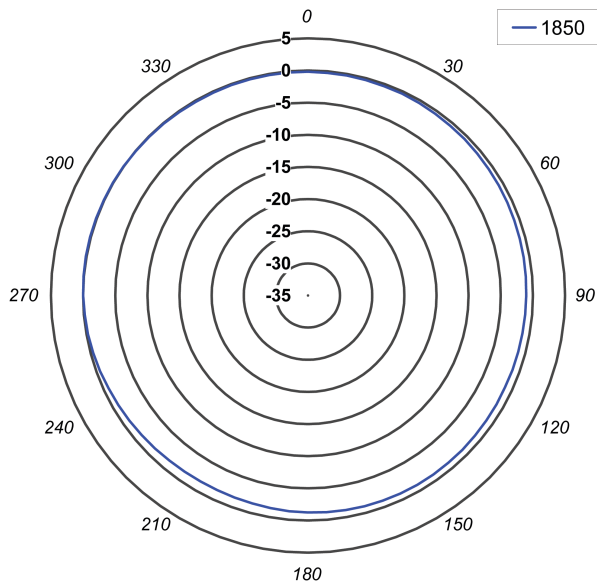
Horizontal Plane - 1900 MHz



Vertical Plane - 800 MHz



Vertical Plane - 1900 MHz



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