

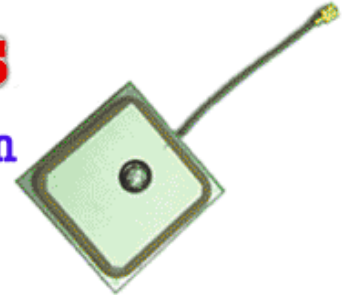
# GOSS

## GPS Active Antenna

### GPS ACTIVE ANTENNA



**4 rubbers**  
protect your car from  
scratching!!



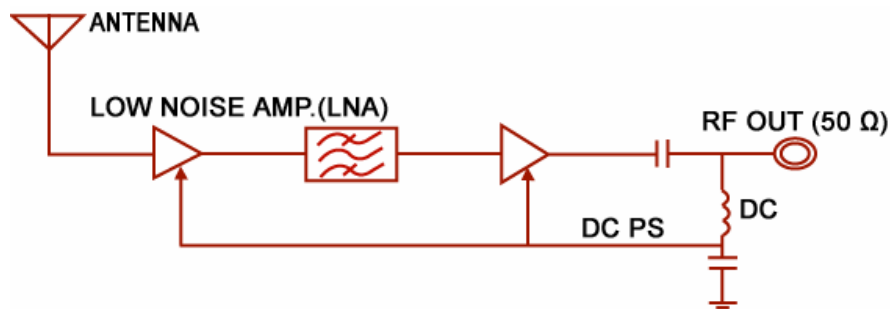
### Features

- High Gain and Low Noise Figure
- Ultra Low Power Consumption
- Varied Cable Length and Connectors are available
- Compact Construction
- Excellent Temperature Stability
- Magnetic Mount Base

### Application

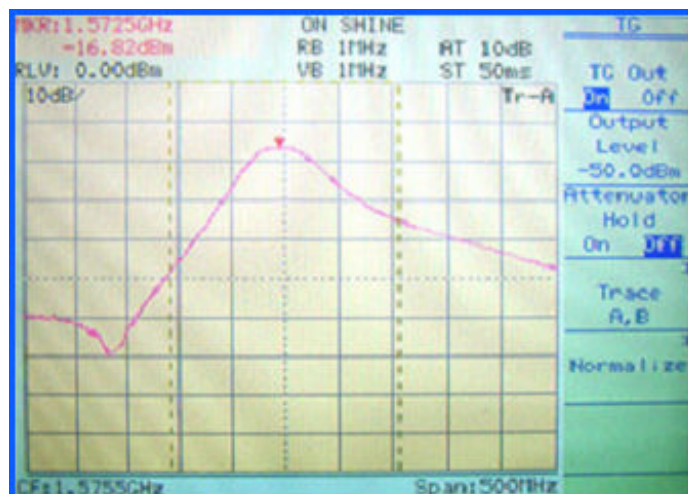
- Car Navigation System
- Hand-held GPS system

### Block Diagram



### Specifications

#### Frequency response



## Patch Antenna

Type	
Frequency	1575.42MHz +/-3MHz
Ground Plane	70 x70mm
Bandwith(at10dB return loss)	10MHz min
Gain at Zenith	+4.5dBi typ
Axial Ratio	3.0 dB max
VSWR	1.5 dB max
Impedance	50
Operating Temperature	-40 ~+85

## LNA

Type	
System Gain without cable	27 dB typ @2.7V(+25 )
Noise Figure	1.5 dB typ (+25 )
Output VSWR	2.0 dB max
Out of band rejection	Fo = 1575.42 MHz
	Fo ±50 MHz 25db typical
	Fo ±100 MHz 35db typical
Voltage	2.7V~5V
Current Consumption	8 mA typical@2.7V
Cable Length	RG-174-2M / 5M
Connector	MCX / MMCX / SMA / others
Operating Temperature	-40 ~+85

## Others

Type	
Dimension	L: 46mm W:46mm H:13.7mm
Weight	80.0g ( Cable Length 2M )
Recommended Storage Condition	Temperature -20 to 45
	Humidity 80% max
Waterproof	100% waterproof
Plastic color	Black

