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### External GPS Antenna

Laird Technologies low cost GPS antenna is designed to receive GPS broadcast. The GPS magnet mount car antenna specifications are based on a one-meter ground plane. This high volume low cost product meets automotive specifications for durability and quality.

Laird Technologies Telematics product business unit is a leading supplier of mobile antenna solutions for OEM Automotive, asset tracking and consumer electronics industries. Products include cellular antennas (AMPS, GSM, PCS, UMTS), GPS antennas, entertainment antennas (AM/FM, DAB, DVB-T, HD-RADIO, TV), mobile communication antennas (BLUETOOTH, DSRC, RKE, TPMS, WIFI, WiMAX), satellite communication antennas (GLOBALSTAR, IRIDIUM, ORBCOMM), satellite radio antennas (SIRIUS, WORLDSPACE, XM), battery packs and customized solutions.

#### Features and Benefits:

- Small footprint - very low profile
- Multiple connectors available
- RG-174 or micro cable available
- Grommet over mold allows for better cable stability
- Rubber splint to route cable directly in edge-of-roof applications
- Label and liner can be modified to meet the needs of the customer
- Magnet mount with rubber feet to ensure no damage to vehicle surface

#### Applications:

- Over-the-road trucking
- Industrial and construction equipment
- Public and fire safety users

For sales information:

In the USA please telephone +1-800-323-3757

In Asia please telephone +886-2-2286-2828

In Europe please telephone +46-8-555-722-00

## SPECIFICATIONS:

Frequency	1575.42 MHz
Bandwidth	2 MHz
Nominal Impedance	50 ohms
Polarization	RHCP
Passive Gain	3 dBic max @ Zenith
Voltage	3.3V or 5.0V
Gain	28 dB +/- 2dB
Noise Figure	1.5 dB max
Output VSWR	1.5 dB max
Input P1dB	-20 dBm min
Cable Loss	10 dB
Current Draw	27 mA typical

## QUALITY AND PERFORMANCE

Operating Temperature	-40 F to +185 F, Operating
	-40 C to +85 C, Operating



## MECHANICAL SPECIFICATIONS:

Mounting Method	Magnet or Adhesive Mount
Coax Cable	23ft / 7,010mm
Dimensions (LxWxH)	1.73" x 1.4" x 0.55"
	44mm x 36mm x 14mm
Connector	SMB (others on request)
Radome Material	Black ASA+PC

## Model and Ordering Information:

Model#	Base	Connector
GPS15MGSMB	Magnetic and Adhesive	SMB

Multiple cable lengths and connectors available.

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