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# GPSU15M

## Omnidirectional Antenna



The Laird GPSU15M antenna is a robust, rigorously tested and environmentally sealed unit suitable for a wide variety of GPS applications. The GPSU15M is ideal for vehicle tracking, fleet management and a variety of location applications installations requiring maximum security and durability. The GPSU15M antenna is fully waterproof and features o-ring sealing that protects the antenna against severe environmental conditions for reliable, long-lasting performance.

### FEATURES

- Fully waterproof o-ring sealing
- High gain engineered performance

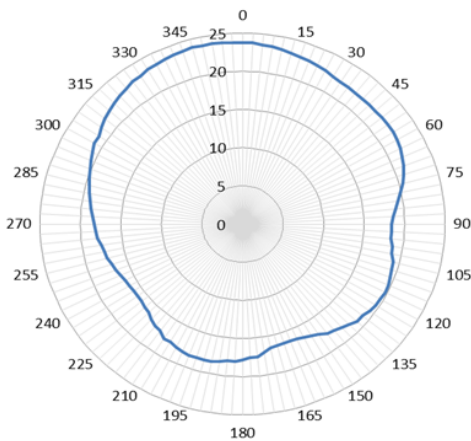
### APPLICATIONS

- Vehicle Tracking
- Fleet Management

### RADIATION PATTERN

**1575.410354**

Elevation Plane



### MECHANICAL SPECIFICATIONS

Model Number	GPSU15M
Weight	0.5 lbs
Housing Dimension	2.6" (66mm) dia x 1.4" (35.6mm) H
Radome Color	Black (UV Coated)
Mounting	NMO Mountable
Cable	Low Loss ATX195 (recommended)
Termination	NMO
Operating Temperature	-35°C to +85°C
Relative Humidity	20% to 90%
Water Resistance	100% waterproof
Storing Temperature Range	-40°C to +100°C
Humidity Conditions	80% RH, Max
Storage Products	Package in anti-static bag is recommended

### ELECTRICAL SPECIFICATIONS

Frequency Range	1,575.42 ± 1 MHz
Polarization	Right Hand Circularly Polarized (RHCP)
Gain	3dBi min (elevation = 90°) -5dBi min (elevation = 20°)
Axial Ratio	4.0 dB max (elevation = 90°) 6.0 dB max (elevation = 10°)
VSWR	<2:1
Nominal Gain	(26 ± 3) dB
Output Impedance	50 Ω
Noise Figure	1.5dB @25°C
Power Supply	3 to 5 Vdc
Current Consumption	20mA max
Power Handling	1W max
ESD	±8 KV min

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