



Smart Technology. Delivered.

GPSU15M GPS Antenna



The Laird GPSU15M antenna is a robust, field 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 outdoor rated and features o-ring sealing that protects the antenna against environmental conditions for reliable, long-lasting performance.

FEATURES

- Waterproof o-ring sealing
- High gain performance
- Low Profile form factor

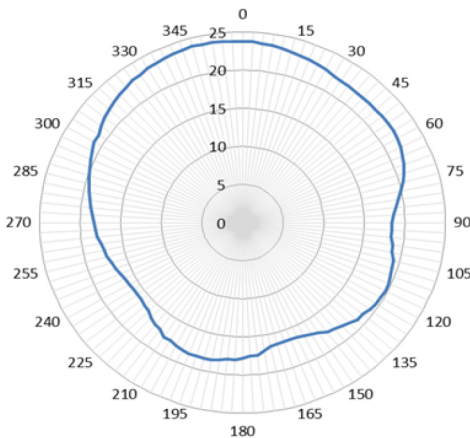
APPLICATIONS

- Vehicle / Asset Tracking
- Fleet Management

RADIATION PATTERN

1575.42 MHz

Elevation Plane



MECHANICAL SPECIFICATIONS

Model Number	GPSU15M (NMO - Black Housing) GPSUW15M (NMO - White Housing) GPSU15P (P-mount - Black Housing) GPSUW15P (P-mount - White Housing)
Weight	0.5 lbs
Housing Dimension	1.48" (37.6mm) H
Radome Color	Black / White (with UV inhibitors)
Mounting	NMO Mountable
Cable	Not Included - Low Loss ATX195 Recommended
Termination	NMO or P-mount (refer to part number)
Operating Temperature	-35°C to +85°C
Relative Humidity	20% to 90%
Water Resistance	Outdoor Rated
Storing Temperature Range	-40°C to +100°C
Humidity Conditions	80% RH, Max

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 TYP
Output Impedance	50 Ω
Noise Figure	1.5 dB @25°C
Power Supply	2.5 to 7 Vdc
Current Consumption	15 mA max
Power Handling	1W max
ESD	±8 KV min

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