



**LMW201, Low Profile  
 Mobile LTE with GPS**

## Low Profile LTE, with GPS 695-960/1710-2700 MHz

- Multiband antenna for Cellular LTE and GPS
- Can be used for Mobile LTE applications
- For optimal performance, a ground plane is recommended

This two-cable antenna combines two applications at a time: GPS on one cable and any one of several wireless data applications on the other cable.

The LMW Series stands out from the other Mobile Mark Surface Mount Antenna Series in that it is extremely broadband and covers LTE cellular bands from 695-960 MHz and 1710-2700 MHz. It has excellent performance characteristics and performs well across the entire band.

This new wideband Surface Mount Antenna offers greater flexibility for stocking and installation because it can function over multiple systems.

For GPS, the performance is 26 dB amplifier gain with 5 dBi RHCP nominal antenna gain. The antennas have low noise figure with excellent filter characteristics.

This rugged antenna can be mounted with complete confidence in a wide range of settings. It can be mounted to any vehicle, container or bulkhead with a threaded stud mount. For optimal performance, a ground plane is recommended.

**Model Configurator**

LMW-201-   -   -

Cable/Connector 1

Cable/Connector 2

Color

Cable Length in Inches (eg. 12 or 180)

Example: LMW-201-3C2C-WHT-180

<u>Cable Options:</u>		<u>Connector Options:</u>		<u>Color Options:</u>	
<u>Code</u>	<u>Cable</u>	<u>Code</u>	<u>Connector</u>	<u>Code</u>	<u>Color</u>
1	RG-58	A	TNC	WHT	White
2	RG-174	B	Mini UHF	BLK	Black
3	LL-195	C	SMA		

(Other Configurations available.)

<b>Specifications</b>			
<b>Frequency:</b>	Cable 1, LTE 695-960/1710-2700 MHz	<b>Standard Cables:</b>	Cable 1 LL-195 15 ft (4.5 meters)
Cable 2, GPS 1575.42 +/- 2 MHz		Cable 2 (GPS) Optional Cables:	RG-174, 15 ft (4.5 meters)
<b>Data Side:</b>	Gain (695-960 MHz) Unity	Cable 1	RG-58, 15 ft (4.5 meters)
Gain (1710-2700 MHz) 3 dBi	VSWR: <2.5:1 max over range	<b>Connectors:</b>	SMA Plug (Male) standard
Nominal Impedance: 50 ohms	Power: 10 Watts	Case:	3.5"D x 1.5"H (89 mm x 38 mm)
Operating Temp: -40° to +80° C		Case Material:	UV resistant ASA
<b>GPS Side:</b>	Amplifier gain 26 dB, LNA	Mounting:	5/8" dia.x 3/4" long (16 mm x 19 mm)
Antenna gain 5 dBi nominal RHCP, Antenna	Noise Figure 2.0 dB max, 1.7 dB typical	<b>Hardware:</b>	Up to 1/2" (12.7 mm) thick metal Nut and gasket included
Amplifier Bias 2.7 to 5 VDC	Amplifier Current 20 mA max, 10 mA typical	<b>Water Ingress:</b>	IP67
		<b>Shock &amp; Vibration:</b>	EN 61373, IEEE 1478, MIL-810G