



LMW203, Low Profile
 LTE-U with GPS

Low Profile LTE-U, with GPS 695-960/1710-6000 MHz

- Multiband antenna for Cellular LTE-U and GPS
- Can be used for Mobile LTE-U 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 broadbanded and covers LTE-U cellular bands from 695-960 MHz and 1710-6000 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-203 - [] [] - [] [] - []

Cable/Connector 1 └─┬─┘

Cable/Connector 2 └─┬─┘

Color └─┬─┘

Cable Length in Inches (eg. 12 or 180) └─┬─┘

Example: LMW-203-3C2C-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	RF-195	C	SMA		

(Other Configurations available.)

Specifications			
Frequency: Cable 1, LTE-U Cable 2, GPS Data Side: Gain (695-960 MHz) Gain (1710-6000 MHz) VSWR: Nominal Impedance: Power: Operating Temp:	695-960/1710-6000 MHz 1575.42 +/- 2 MHz Unity 3-5 dBi <2.5:1 max over range 50 ohms 10 Watts -40° to +80° C	Standard Cables: Cable 1 Cable 2 (GPS) Optional Cables: Cable 1 Connectors: Case: Case Material: Mounting:	LL-195 15 ft (4.5 meters) RG-174, 15 ft (4.5 meters) RG-58, 15 ft (4.5 meters) SMA Plug (Male) standard 3.5"D x 1.5"H (89 mm x 38 mm) UV resistant ASA 5/8" dia. x 3/4" long (16 mm x 19 mm) Up to 1/2" (12.7 mm) thick metal Nut and gasket included
GPS Side: Amplifier gain Antenna gain Noise Figure Amplifier Bias Amplifier Current	26 dB, LNA 5 dBi nominal RHCP, Antenna 2.0 dB max, 1.7 dB typical 2.7 to 5 VDC 20 mA max, 10 mA typical	Hardware: Water Ingress: Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G