



**LMW202, Low Profile
 Global LTE with GPS**

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 Global LTE cellular bands from 695-960 MHz and 1710-3700 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.

Global LTE, with GPS 695-960/1710-3700 MHz

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

Model Configurator

LMW-202 - - - -

Cable/Connector 1

Cable/Connector 2

Color

Cable Length in Inches (eg. 12 or 180)

Example: LMW-202-3C2C-WHT-180

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

(Other Configurations available.)

Specifications

Frequency:		Standard Cables:	
Cable 1, Global LTE	695-960/1710-3700 MHz	Cable 1	LL-195 15 ft (4.5 meters)
Cable 2, GPS	1575.42 +/- 2 MHz	Cable 2 (GPS)	RG-174, 15 ft (4.5 meters)
Data Side:		Optional Cables:	
Gain (695-960 MHz)	Unity	Cable 1	RG-58, 15 ft (4.5 meters)
Gain (1710-3700 MHz)	3 dBi	Connectors:	
VSWR:	<2.5:1 max over range	SMA Plug (Male) standard	
Nominal Impedance:	50 ohms	Case:	
Power:	10 Watts	3.5"D x 1.5"H (89 mm x 38 mm)	
Operating Temp:	-40° to +80° C	Case Material:	
GPS Side:		UV resistant ASA	
Amplifier gain	26 dB, LNA	Mounting:	
Antenna gain	5 dBi nominal RHCP, Antenna	5/8" dia.x 3/4" long	
Noise Figure	2.0 dB max, 1.7 dB typical	(16 mm x 19 mm)	
Amplifier Bias	2.7 to 5 VDC	Up to 1/2" (12.7 mm) thick metal	
Amplifier Current	20 mA max, 10 mA typical	Nut and gasket included	
		Hardware:	
		Water Ingress:	
		IP67	
		Shock & Vibration:	
		EN 61373, IEEE 1478, MIL-810G	