

USAT | Product Datasheet





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 Global LTE cellular bands from 695-960 MHz and 1710-3700 MHz. It has excellent performance characteristics and performs well across the entire band.

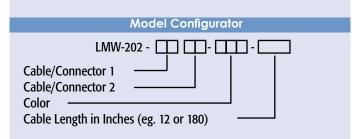
This new wideband Surface Mount Antenna offers greater flexibility for stocking and installation because it can function over multiple systems.

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 groundplane 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



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

Cable C	<u> Options:</u>	<u>Connec</u>	Connector Options:		Color Options:	
<u>Code</u>	Cable	<u>Code</u>	<u>Connector</u>	<u>Code</u>	<u>Color</u>	
1	RG-58	А	TNC	WHT	White	
2	RG-174	В	Mini UHF	BLK	Black	
3	LL-195	С	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 m)				
Cable 2, GPS	1575.42 +/- 2 MHz	Cable 2 (GPS)	RG-174, 15 ft (4.5 m)				
Data Side:		Optional Cables:					
Gain (695-960 MHz)	Unity	Cable 1	RG-58, 15 ft (4.5 m)				
Gain (1710-3700 MHz)	3 dBi						
VSWR:	<2.5:1 max over range	Connectors:	SMA Plug (Male) standard				
Nominal Impedance:	50 Ohm	Case:	3.5"D x 1.5"H (8.9 cm x 3.8 cm)				
Power:	10 Watts	Case Material:	UV resistant ASA				
Operating Temp:	-40° to +80° C	Mounting:	5/8" dia.x 3/4" long				
			(1.6 cm x 1.9 cm)				
GPS Side:			Up to 1/2" (12.7 mm) thick metal				
Amplifier gain	26 dB, LNA	Hardware:	Nut and gasket included				
Antenna gain	5 dBi nominal RHCP, Antenna						
Noise Figure	2.0 dB max, 1.7 dB typical	Water Ingress:	IP67				
Amplifier Bias	2.7 to 5 VDC						
Amplifier Current	20 mA max, 10 mA typical	Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G				
	20 milling, 10 million openi						

Specifications subject to change without notice (9/2018)



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