



LTB301 multiband 3-cable Cellular/LTE MIMO & GPS

- 3-cables: two Cellular/LTE and one GPS
- Field proven design; dependable link
- Slim line, blade style: fits on NEMA Box

This 3-element LTB antenna is designed for Utility Cabinets and NEMA Boxes, it can be mounted in any setting where a slim profile is desired. It offers outstanding electrical performance as well as a unique mechanical package.

Mobile Mark's LTB301 blade-style Multiband/MIMO antenna for Smart Grids combines two Cellular LTE elements and one GPS element in a slim, compact radome. It measures only 7 1/2" long by 1 1/2" deep and less than 4" tall (19cm x 3.8 cm x 10cm). It is attached through a single mounting hole that accommodates all three cable connections. A special gasket preserves the IP67 water ingress rating when properly mounted.

Using our new slim line package, the LTB301 is a Multiband 4G/LTE 2x MIMO (multiple-input-multiple-output) antenna with dual LTE (694-960 MHz and 1710-2700 MHz) in addition to GPS at 1575 MHz. This particular model comes with SMA plugs and two 18" (45.72cm) RF Cables as well as one 18" (45.72 cm)RG-174 cable for GPS. The LTB can also be configured without GPS. This blade style antenna is ground-plane independent and designed to perform on either a fiberglass or metal box.

Model Configurator

LTB301- - - - - - -

Cable/Connector 1

Cable/Connector 2

Cable/Connector 3

Color

Cable Length in Inches (eg. 12 or 180)

Example: LTB301-3C3C2C-GRY-18

<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>
3 LL-195	C SMA	GRY Grey
2 RG-174		

Specifications subject to change without notice (9/2018)

Specifications			
Frequency & Gain (peak): Cable 1 & 2 (Cellular/LTE)	694-960 MHz, 3 dBi & 1710-2700 MHz, 4 dBi	Radome Material:	Light Grey UV Inhibitive Plastic
Cable 3 (GPS)	1575 MHz	Operating Temperature:	-40° to +80° C
VSWR*:	2:1 VSWR over Range	Connectors/Interface:	SMA Plugs standard. Connectors may vary
Impedance:	50 Ohm Nominal	Cable 1-2 (Cellular/LTE)	Separate LL-195, 18" (45.72 cm)
Maximum Power:	10 Watts	Cable 3 (GPS)	RG-174, 18" (45.72cm)
GPS		Groundplane:	None required
Amplifier Bias:	2.7 to 5 VDC	Shock & Vibration:	EN 300 019-2-4, IEC 60068, SAE J1455
Noise Noise:	2.0 dB max, 1.7 dB typical	Water Ingress:	IP67
Current:	20 mA max, 10 mA typical		
Mounting dimensions	5/8" (1.5 cm) Dia. Feed through 1" (2.54 cm) lg. thread for up to 3/4" (1.9 cm) thick surface (Electrical Cabinet)		

*Measured on 1'(30cm) ground with 1'(30cm) cable