



USAT | Product Datasheet



**Blade Style Antenna** 

This broadband 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 LTB302 blade-style Multiband/MIMO antenna for Smart Grids combines two 4G 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 LTB302 is a Multiband 4G/ LTE 2x MIMO (multiple-input-multiple-output) antenna with dual LTE (694-960 MHz and 1710-4200 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.

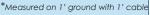
## LTB302 multi-band 3-cable 2x 4G LTE, MIMO antenna

- 3-cables: two 4G LTE and one GPS
- Field proven design; dependable link
- Mechanically sound, meets Industrial & Military specs

Model Configurator				
LTB302- Cable/Connector 1 Cable/Connector 2 Cable/Connector 3 Color Cable Length in Inches (eg. 12 or 180) Example: LTB302-3C3C2C-GRY-18				
	<u>Color</u> Grey			

Specifications subject to change without notice (10/2018)

Specifications			
Frequency & Gain (peak)*:		Radome Material:	Light Grey UV Inhibative
Cable 1 & 2 (Cellular/LTE)	694-960 MHz, 3 dBi &		Plastic
	1710-4200 MHz, 4 dBi	Operating Temperature:	-40° to +80° C
Cable 3 (GPS)	1575 MHz		
VSWR*:	2:1 VSWR over Range	Connectors/Interface:	SMA Plugs standard.
			Connectors may vary
Impedance:	50 Ohm Nominal	Cable 1-2 (Cellular/LTE)	Separate RF-195, 18"
			(45.72 cm)
Maximum Power:	10 Watts	Cable 3 (GPS)	RG-174, 18" (45.72cm)
Mounting dimensions	5/8" (1.5 cm) Dia. Feed	- · · ·	
	through	Groundplane:	None required
	1" (2.54 cm) lg. thread for up	Shock & Vibration:	EN 300 019-2-4, IEC 60068,
	to 3/4" (1.9 cm) thick		SAE J1455
	surface (Electrical Cabinet)	Water Ingress:	IP67
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