



Blade Style Antenna

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

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.

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>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	RF-195	C	SMA	GRY	Grey
2	RG-174				

(Other Configurations available.)

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

*Measured on 1' ground with 1' cable