

LTBG308

MULTIBAND SURFACE MOUNT ANTENNA

PRODUCT OVERVIEW

The 3-cable LTBG308 antenna includes two Global 5G Sub-6 antennas and one GNSS antenna. This provides MIMO (multiple-input-multiple-output) coverage for Cellular. The cellular elements cover 617-960 & 1710-6000 MHz. GNSS operates on GPS, Galileo, Glonass, QZSS or Beidou.

This antenna covers all Cellular bands, worldwide. In the US, this includes the CBRS (Citizens Broadband Radio Service) at 3.55-3.7 GHz and Band 71 at 617-698 MHz. The LTBG308 takes up significantly less space than multiple antennas and is effective in applications for constrained spaces. For Utility Applications, it is often mounted on top of a Utility Box.

Visit our [eStore](#) to customize an Antenna Online.

Electrical Specifications		
Frequency & Gain	5G/LTE Cables 1 & 2	617 - 960 MHz, 3 dBi 1710 - 6000 MHz, 5 dBi
	GNSS Cable 3	1561, 1575, & 1602 MHz, LNA 26 dB, 5 dBi (RHCP)
VSWR	< 2.5:1 VSWR	
Impedance	50 Ohm Nominal	
Power Rating	10 Watts	
GNSS	Amplifier Bias Voltage	2.7 to 5 VDC
	Gain	26 dB, 5 dBi
	Current	20 mA max, 10 mA typical

Mechanical Specifications	
Radome Material & Color	ASA UV-Inhibitive Plastic, Available in Grey
Radome Dimension	7.49" (190 mm) Long, 1.50" (38 mm) Wide, & 3.88" (98 mm) in Height
Standard Connectors	SMA Plugs (Male)
Cables	1 Foot (305 mm) Cables: LL-195 for 5G/LTE & RG-174 for GNSS, Other Lengths Available
Operating Temperature	-40° to +80° C
Mounting	0.63" (16 mm) Dia. Feed through. 1.00" lg (25.4 mm). Thread for Up to 0.75" (19 mm) Thick Surface (Electrical Cabinet) *No Ground Plane Required*
	For Additional Anti-Rotation Security: CLICK HERE to View Installation Guide.
Shock & Vibration	EN300 019-2-4 and IEC 60068
Water Ingress	IP67 (When Properly Mounted)



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5G/LTE —————

GNSS —————

Color —————

Cable Length (in inches) —————

HIGHLIGHTS:

- Multiband: 2x 5G Sub-6 and 1x GNSS
- Cellular Coverage 617-6000 MHz
- SLIM Profile
- Ground Plane Not Required, Mount it on Fiberglass or Metal
- High Performance, High Gain
- Made-in-the-USA & UK

RELATED MODELS:

- LTMG308
(Same Freq, LTM Model)
- LTBG302
(695 - 4200 MHz LTE Coverage)
- LTMWG940
(4x 5G Sub-6 & 1x GNSS)
- LTB308
(Configured with GPS)

COMMON APPLICATIONS:

- Mount On Utility Boxes or NEMA Boxes
- Sub-Station
- Smart Grids
- Other Fixed Settings where a Slim Footprint is Required



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