

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.

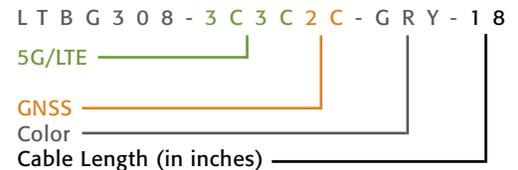
This antenna covers all Cellular bands, worldwide. In the US, this includes the CBRS (Citizens Broadband Radio Service) at 3.55-3.7 GHz and Band 71 at 617-698 MHz. The LTBG308 takes up significantly less space than multiple antennas and is effective in applications for constrained spaces. For Utility 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 | 18" (457 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) |



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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