

## LTMG308

### MULTIBAND SURFACE MOUNT ANTENNA

#### PRODUCT OVERVIEW

The 3-cable LTMG308 antenna includes two Global 5G Sub-6 elements and one GNSS element. This provides MIMO (multiple-input-multiple-output) coverage for the 5G ready Cellular band. In addition, GNSS operates on GPS, Galileo, Glonass, QZSS or Beidou.

The Global LTE 5G-ready antenna element covers: 617-960 & 1710-6000 MHz. Cellular coverage includes these bands: CBRS (Citizens Broadband Radio Service) at 3.55-3.7 GHz, Band 71 at 617-698 MHz, & FirstNet Band 14.

This 3 element antenna is part of our [6x6 line](#) with a wider bandwidth covering 5G sub-6 & frequencies. Other Cable Length Options are available.

Specify LTM308 for a model configured with GPS only. Specify MLTMG-308 for a Mag-Mount.

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

Electrical Specifications		
Frequency & Gain	5G Sub-6 Cables 1 & 2	617 - 960 MHz, 3 dBi 1710 - 6000 MHz, 4 dBi
	GNSS Cable 3	1561, 1575, & 1602 MHz, LNA 26 dB, 5 dBi (RHCP)
VSWR	617 - 960	< 2.2 MAX, < 2:1 TYP.
	1710 - 6000	< 2:1
Impedance	50 Ohm Nominal	
Power Rating	10 Watts	
GNSS	Amplifier Gain	26 dB +/- 3 dB
	Amplifier Bias Voltage	2.7 to 5 VDC
	Noise Figure	2.0 dB max, 1.5 dB typical
	Current	20 mA max, 10 mA typical

Mechanical Specifications	
Radome Material & Color	ASA UV-Inhibitive Plastic, Available in Black or White
Radome Base Material	Corrosion Resistant Aluminum
Radome Dimension	5.50" (139 mm) in Diameter & 2.38" (60 mm) in Height
Optional Mag-Mount	add 0.5"(13 mm) for height dimension
Standard Connectors	SMA Plugs (Male)
5G Sub-6 Cables 1 & 2	Separate LL-195, 15 ft (4.5 m)
GNSS Cable 3	RG-174, 15 ft (4.5 m)
Operating Temperature	-40° to +80° C
Mounting	7/8" (22 mm) Dia. Feed Through 3/4" (19 mm) Ig. Thread for up to 1/2" (13 mm) Thick Surface
Shock & Vibration	IEEE-1478, EN 61373, MIL-810G, TIA 329.2-C
Dust & Water Ingress	IP69K (Stud Mount, When Properly Mounted)
	IP67 (Mag-Mount, When Properly Mounted)
RoHS Compliant	Yes



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#### HIGHLIGHTS:

- Multiband: 2x 5G Sub-6 & 1x GNSS
- Covers Sub-6 5G, 617 - 6000 MHz Including CBRS & Band 71
- High Performance; High Gain
- Made-in-the-USA & UK

#### RELATED MODELS:

- LLPG308 (Same Freq, Lower Profile)
- MXFG308 (Same Freq, MaxFin Style)
- LTM308 (GPS Model)

#### COMMON APPLICATIONS:

- Vehicle Fleet Management
- Multiband Modems
- Public Transportation



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