

## LTMG708

### MULTIBAND SURFACE MOUNT ANTENNA

#### PRODUCT OVERVIEW

The 7-cable LTMG708 antenna includes two Global 5G Sub-6 antennas, four WiFi 6e antennas and one GNSS antenna. This provides MIMO (multiple-input-multiple-output) coverage for both Cellular and WiFi. 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 and Band 71 at 617-698 MHz.

This 7 element antenna is part of our [626 line](#) with a wider bandwidth covering 5G sub-6 frequencies.

Specify LTM708 for a model configured with GPS only.

Mag-Mount option is not available for this model.

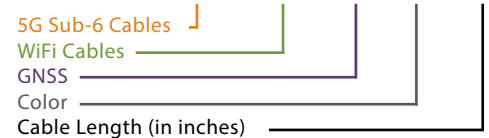
Visit our [eStore](#) to purchase an Antenna Online.

| Electrical Specifications |                          |  |
|---------------------------|--------------------------|--|
| Frequency & Gain          | 5G Sub-6 Cables 1 & 2    | 617 - 960 MHz, 3 dBi<br>1710 - 6000 MHz, 4 dBi     |
|                           | WiFi Cables 3 - 6        | 2.4 - 2.5 & 4.9 - 7.2 GHz, 5 dBi                   |
|                           | GNSS Cable 7             | 1561, 1575, & 1602 MHz,<br>LNA 26 dB, 5 dBi (RHCP) |
| VSWR                      | 2.2: 1 max < 2:1 typical |  |
| 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  |
| Standard Connectors (MALE) | SMA Plugs for 5G Sub-6 & GNSS,<br>Rev Pol SMA Plugs for WiFi                                      |
| Cables 1 - 6               | Separate LL-195, 15 ft (4.5 m)  |
| GNSS Cable 7               | RG-174, 15 ft (4.5 m)   |
| Operating Temperature      | -40° to +80° C  |
| Mounting                   | 7/8" (22 mm) Dia. Feed Through<br>3/4" (19 mm) lg. Thread for up to<br>1/2" (13 mm) Thick Surface |
| Shock & Vibration          | IEEE-1478, EN 61373, MIL-810G, TIA 329.2-C  |
| Water Ingress              | IP67 (When Properly Mounted)  |
| RoHS Compliant             | Yes   |



LTMG708-3C3C3J3J3J3J2C-WHT-180



#### HIGHLIGHTS:

- Multiband: 2x 5G Sub-6, 4x WiFi 6e, 1x GNSS
- Covers Sub-6 5G 617 - 6000 MHz Including CBRS & Band 71
- WiFi 6e and WiFi 7 ready
- High Performance; High Gain
- Made-in-the-USA & UK

#### RELATED MODELS:

- LLPG708 (Same Freq, Lower Profile)
- MXFG708 (Same Freq, MaxFin Style)
- LTM708 (GPS Model)

#### COMMON APPLICATIONS:

- Vehicle Fleet Management
- WiFi Data Transfer
- Multiband Modems
- Public Transportation



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