

# MXFG308

## PRODUCT OVERVIEW

The 3-cable MXFG308 (2x Sub-6 LTE, GNSS) Antennas include two Global 4G LTE & 5G ready antennas and one GNSS antenna. The GNSS element operates on GPS, Galileo, Glonass, QZSS or Beidou at 1561, 1575, & 1602 MHz. This Global LTE antenna covers: 617-960 & 1710-6000 MHz. If you are looking for a multiband 5G Ready antenna, this is the solution you've been looking for!

This antenna covers all Cellular bands, worldwide. In the US, this includes the CBRS (Citizen Band Radio Service) at 3.55-3.7 GHz and Band 71 at 617-698 MHz.

Measuring 7.50" (19cm) in length, 2.25" (5.7cm) width, and 2.50" (6.4cm) tall the MXFG308 significantly takes up less space than multiple antennas. The radome is available in either black or white.

These antennas are also available with a GPS-only module, specificity MXF308.

Visit our eStore to customize a MXFG Fleet Management Antenna Online.

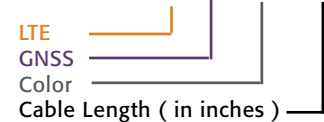
| Electrical Specifications |                               |                                                                                                                                      |
|---------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Frequency & Gain          | Cables 1 - 2                  | LTE 617-700 MHz, 1 dBi<br>LTE 700-960 MHz, 3 dBi<br>LTE 1700-2700 MHz, 4 dBi<br>LTE 3400-4200 MHz, 6 dBi<br>LTE 4900-6000 MHz, 6 dBi |
|                           | Cable 3                       | 1561, 1575, & 1602 MHz,<br>LNA 26 dB, 5 dBi                                                                                          |
| VSWR                      | < 2.5:1                       |                                                                                                                                      |
| Impedance                 | 50 Ohm Nominal                |                                                                                                                                      |
| Power Rating              | 10 Watts                      |                                                                                                                                      |
| GNSS                      | Amplifier Gain & Bias Voltage | 26 dB<br>3 to 5 VDC                                                                                                                  |
|                           | Noise Figure                  | 2.0 dB max, 1.7 dB typical                                                                                                           |
|                           | Current                       | 20 mA max, 10 mA typical                                                                                                             |

| Mechanical Specifications |                                                                                      |
|---------------------------|--------------------------------------------------------------------------------------|
| Radome Material & Color   | ASA UV-Stable Plastic,<br>Available in Black or White                                |
| Radome Dimension          | 7.50" (19cm) L x 2.25" (5.7cm) W x 2.50 (6.4cm)T                                     |
| Standard Connectors       | SMA Plugs ( Male )                                                                   |
| Cables 1 & 2              | LL-195, 15-feet ( 152 cm ), other options av.                                        |
| Operating Temperature     | -40° to +80° C                                                                       |
| Mounting                  | Thru Hole, Ground Plane Dependant                                                    |
| Shock & Vibration         | IEEE1478, EN 61373, MIL-810G, TIA 329.2-C                                            |
| Dust & Water Ingress      | IP69K (Stud Mount, When Properly Mounted)<br>IP67 (Mag-Mount, When Properly Mounted) |



## 3 - in - 1 Multiband ANTENNA

MXFG308-3C3C2C-BLK-180



## HIGHLIGHTS:

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

## RELATED MODELS:

- LLPG308  
( Same Freq. Lower Profile )
- MXF308  
( GPS-only Model )
- LTMG302  
( 695 - 3700 MHz Coverage )

## COMMON MARKETS:

- Vehicle Fleet Management; will cover Cellular/WiFi/GNSS
- Fixed Site such as RSU or Traffic Management



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