

# MXFG302

## PRODUCT OVERVIEW

Mobile Mark's MXFG302 Multiband Diversity/MIMO antenna contains four separate antenna elements, all in one compact antenna housing: two broadband LTE/Cellular antennas, and one GNSS antenna. The GNSS element operates on GPS, Galileo, Glonass, QZSS or Beidou at 1561, 1575, & 1602 MHz. The MXFG302 covers Cellular LTE frequencies from 694-3700 MHz.

The New MaxFin Antenna has been well received because it is compact, attractive and high performance. The antenna housing contains a stylish combination of matte & polished finish, providing a sleek, high-tech look on the vehicle.

Measuring 7.50" (19cm) in length, 2.25" (5.7cm) width, and 2.50" (6.4cm) tall the MXFG302 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 MXF302.

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

| Electrical Specifications |                     |                                              |
|---------------------------|---------------------|----------------------------------------------|
| Frequency & Gain          | LTE<br>Cables 1 & 2 | 694-960 MHz, 0-3 dBi<br>1710-3700 MHz, 4 dBi |
|                           | GNSS<br>Cable 3     | 1561, 1575, & 1602 MHz,<br>LNA 26 dB, 5 dBi  |
| VSWR                      | < 2:1               |                                              |
| Impedance                 | 50 Ohm Nominal      |                                              |
| Power Rating              | 10 Watts            |                                              |
| GNSS                      | Amplifier           | 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.                                        |
| GNSS Cable 3              | RG-174, 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

MXFG302-3C3C2C-BLK-180

LTE  
GNSS  
Color  
Cable Length ( in inches )

## 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:

- LLPG302  
( Same Freq. Lower Profile )
- MXF302  
( GPS-only Model )
- MXFG308  
( 600 - 6000 MHz 5G Coverage )
- LTMG302  
( 695 - 3700 MHz Coverage )

## COMMON MARKETS:

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



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