

MXF502 Multi-band 5-cable LTE, WIFI & GPS



- 5-cables: two for Cellular & LTE, two for WiFi, and one for GPS
- WiFi elements can be used for WiFi MIMO or for separate WiFi modems
- Available with GPS or with combination GPS/Glonass/Galileo

Mobile Mark's MXF502 Series Multiband Diversity/MIMO antenna contains seven separate antenna elements, all in one compact antenna housing: two broadband LTE/Cellular antennas, two dual-band WiFi antennas, and one GPS antenna. The MXF502 covers Cellular LTE frequencies from 694-3700 MHz.

With five elements, the new MXF502 antenna is ideal for fleet management systems that combine GPS with both an LTE 2xMIMO modem as well as a WiFi 2xMIMO Modem.

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 7.5" (19cm) long x 2.25 (5.7cm) wide x 2.5" (6.4cm) tall the MXF502 series antennas take up significantly less space than multiple antennas. This antenna is also available in a mag-mount version; the magmount style is popular for system testing when the antenna needs to be moved quickly and easily from car to car. The model number for the mag-mount version starts with MMXF.

Model Configurator

MXF502 -

Cable/Conn 1

Cable/Conn 2

Cable/Conn 3

Cable/Conn 4

Cable/Conn 5

Color

Cable Length in Inches (eg. 12 or 180)

Example: MXF502-3C3C3J3J2C-BLK-180
 MMXF502-3C3C3J3J2C-BLK-180(Mag mount)

Specify "MXFG" instead of "MXF" for GPS/Glonass/Galileo combination antennas

| | | |
|--------------------------|------------------------------|--------------------------|
| <u>Cable Options:</u> | <u>Connector Options:</u> | <u>Color Options:</u> |
| <u>Code</u> <u>Cable</u> | <u>Code</u> <u>Connector</u> | <u>Code</u> <u>Color</u> |
| 2 RG-174 | C SMA | BLK Black |
| 3 LL-195 | J RP SMA | |

(Other Configurations available.)

| Specifications | | | |
|----------------------------|--|--|---|
| Frequency & Gain (peak): | | MMXF Dimensions | 7.5"L x 2.25"W x 2.95"H (19cm x 5.7cm x 7.5cm) |
| Cable 1 & 2 (Global LTE) | 694-960 MHz, 0-3 dBi 1710-3700 MHz, 4 dBi | Radome Material: | ASA UV-Stable Plastic |
| Cable 3 & 4 (WiFi) | 2.4-2.5 & 5-6 GHz, 4 & 5 dBi | Operating Temperature: | -40° to +80° C |
| Cable 5 (GPS) | 1575 MHz, 26 dB, 5 dBi | Connectors, standard: | SMA Plugs (male) standard |
| GPS/Glonass/Galileo option | 1575 MHz & 1602 MHz | Cable: | |
| VSWR: | | Cable 1-4 | LL-195, 15 ft (4.5m) |
| LTE | 2:5:1 VSWR over Range | Cable 5 (GPS and GPS/Glonass/Galileo) | RG-174, 15 ft (4.5 meters) |
| WiFi | 2:1 VSWR over Range | Stud Mounting: | 7/8" Dia. (22.22mm) Feed through 3/4" lg. (19mm) thread for up to 1/2" (12.7mm) thick surface |
| Impedance: | 50 Ohm Nominal | MMXF Mount: | Mag Mount |
| Maximum Power: | 10 Watts | | |
| GPS | | | |
| Amplifier Bias: | 3.3/5 VDC | | |
| Noise Figure: | 2.0 dB max, 1.7 dB typical | | |
| Current: | 20 mA max, 10 mA typical | | |
| MXF Dimensions: | 7.5" x 2.25" x 2.5 (19cm x 5.7cm x 6.4cm) | | |