



LTM302 multi-band 3-cable Global LTE MIMO & GPS

- 3-cables: two for Global Cellular/LTE and one for GPS
- Covers all Cellular & LTE frequencies worldwide, from 694 MHz to 3700 MHz
- Single mounting hole; easier installation
- Meets Industrial & Military specs

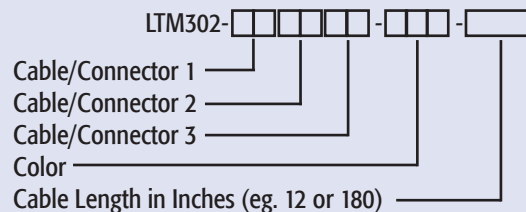
Mobile Mark's LTM302 Series Multiband Diversity/MIMO antenna contains three separate antennas, all in one compact antenna housing: two identical LTE/Cellular antennas and one GPS antenna. The LTE/Cellular element is broadbanded enough to cover all LTE frequencies worldwide through 3700 MHz.

LTE MIMO (multiple-input-multiple-output) modems offer greater speed and capacity than earlier generations of modems. In order to ensure optimum performance the LTE MIMO system needs multiple antennas on both the transmission and receive ends. The LTM302 achieves this with two identical Cellular/LTE elements.

This 3-element LTM antenna is designed for fleet management systems that combine a GPS receiver with a 2-element LTE MIMO modem. For fleet management systems that add in a WiFi MIMO modem, the LTM502 is recommended.

Measuring 5.5" (140mm) in diameter with a low profile of 2.38" (60.4mm), LTM series antennas take up significantly less space than multiple antennas. The radome is available in either black or white. The antennas are available in either surface mount or mag-mount models. The antennas can also be configured for combined GPS & Glonass use.

Model Configurator



Example: LTM302-3C3C2C-WHT-180
MLTM302-3C3C2C-BLK-180 (mag-mount option)

Specify "LTMG" or "MLTMG" instead of "LTM" or "MLTM" for GPS/Glonass combination antenna.

Cable Options:		Connector Options:		Color Options:	
Code	Cable	Code	Connector	Code	Color
1	RG-58	A	TNC	WHT	White
2	RG-174	C	SMA	BLK	Black
3	RF-195	J	RP SMA		
		K	RP TNC		

(Other Configurations available.)

Specifications

Frequency & Gain (peak)*:	
Cable 1 & 2 (Global LTE)	694-960 MHz, 3 dBi & 1710-3700 MHz, 4 dBi
Cable 3 (GPS)	1575.42 +/- 2 MHz, 26 dB, 5 dBi
VSWR*:	2:1 VSWR over Range
Impedance:	50 Ohm Nominal
Maximum Power:	10 Watts
Case:	
Surface Mount	5.50" Dia. x 2.38" High (140mm x 60.4mm)
Magnet Mount	5.50" Dia. x 2.78" High (140mm x 70.6mm)
Radome Material:	ASA UV-Stable Plastic

Operating Temperature:	-40° to +80° C
Connectors:	SMA Plugs standard, Others Available
Cable:	
Cable 1-2	Separate RF-195, 15 ft (4.5 meters) standard
Cable 3 (GPS)	RG-174, 15 ft (4.5 meters)
LTM Mounting:	7/8" (22mm) Dia. Feed through 3/4" (19mm) Long Thread for up to 1/2" (12mm) thick surface
MLTM Mounting:	Magnet mount
Shock & Vibration:	IEEE1478, EN61373, MIL-810G, TIA 329.2-C
Water Ingress:	IP67

*Measured on 1' ground with 1' cable