



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
- 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

LTM302----

Cable/Connector 1

Cable/Connector 2

Cable/Connector 3

Color

Cable Length in Inches (eg. 12 or 180)

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)*:		Radome Material:	ASA UV-Stable Plastic
Cable 1 & 2 (Global LTE)	694-960 MHz, 3 dBi & 1710-3700 MHz, 4 dBi	Operating Temperature:	-40° to +80° C
Cable 3 (GPS)	1575.42 +/- 2 MHz, 26 dB, 5 dBi	Connectors:	SMA Plugs standard, Others Available
VSWR*:	2:1 VSWR over Range	Cable:	
Impedance:	50 Ohm Nominal	Cable 1-2	Separate RF-195, 15 ft (4.5 meters) standard
Maximum Power:	10 Watts	Cable 3 (GPS)	RG-174, 15 ft (4.5 meters)
GPS		LTM Mounting:	7/8" (22mm) Dia. Feed through 3/4" (19mm) Long Thread for up to 1/2" (12mm) thick surface
Amplifier Bias:	2.7 to 5 VDC	MLTM Mounting:	Magnet mount
Noise Figure:	2.0 dB max, 1.7 dB typical	Shock & Vibration:	IEEE1478, EN61373, MIL-810G, TIA 329.2-C
Current:	20 mA max, 10 mA typical	Water Ingress:	IP67
Case:			<i>*Measured on 1' ground with 1' cable</i>
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)		