

LTM301

MULTIBAND SURFACE MOUNT ANTENNA

PRODUCT OVERVIEW

The 3-cable LTM301 contains elements for two Cellular antennas and one GPS antenna. It is recommended that users of the LTM301 switch to the LTM302 which goes up to 3700 MHz. This provides MIMO (multiple-input-multiple-output) coverage for LTE Cellular. In addition, it is ideal for fleet management systems that combine GPS with an LTE MIMO modem. GPS operates on 1575 MHz. GNSS operates on GPS, Galileo, Glonass, QZSS or Beidou.

Specify LTM for units with GPS and LTMG for units with GNSS.

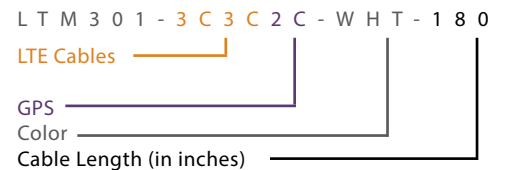
Specify MLTMG or MLTM for Mag Mounted units.

Specify CLTM or CLTMG for Ceiling Mounted units.

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Electrical Specifications		
Frequency & Gain	LTE Cables 1 & 2	694 - 960 MHz, 3 dBi 1710 - 2170 MHz, 4 dBi
	GPS Cable 3	1575 MHz, LNA 26 dB, 5 dBi (RHCP)
VSWR	< 2:1 VSWR Over Range	
Impedance	50 Ohm Nominal	
Power Rating	10 Watts	
GPS	Amplifier Gain	26 dB +/- 3 dB
	Amplifier Bias Voltage	3.3/5 VDC
	Noise Figure	2.0 dB max, 1.5 dB typical
	Current	20 mA max, 10 mA typical

Mechanical Specifications	
Radome Material & Color	ASA UV-Inhibitive Plastic, Available in Black or White
Radome Base Material	Corrosion Resistant Aluminum
Radome Dimension	5.50" (139 mm) in Diameter & 2.38" (60 mm) in Height
Optional Mag-Mount	add 0.50" (13 mm) for height dimension
Standard Connectors	SMA Plugs (Male)
Cables 1 - 2	Separate LL-195, 10 ft (3.05 m)
GPS Cable 3	RG-174, 10 ft (3.05 m)
Operating Temperature	-40° to +80° C
Mounting	7/8" (22 mm) Dia. Feed Through 3/4" (19 mm) Ig. Thread for up to 1/2" (13 mm) Thick Surface
Shock & Vibration	IEEE-1478, EN 61373, MIL-810G, TIA 329.2-C
Water Ingress	IP67 (When Properly Mounted)
RoHS Compliant	Yes



HIGHLIGHTS:

- Multiband Surface Mount: 2x LTE & 1x GPS
- Covers 694 - 2170 MHz
- High Performance; High Gain
- Made-in-the-USA & UK

RELATED MODELS:

- LTMG302 (upgrade to 3700 MHz)
- CLTM302 (Ceiling Mount Model)
- MLTMG302 (Mag Mount Model)
- LTM302 (GPS Model)

COMMON APPLICATIONS:

- Vehicle Fleet Management
- Multiband Modems
- Public Transportation



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