

LTMG302

MULTIBAND SURFACE MOUNT ANTENNA

PRODUCT OVERVIEW

The 3-cable LTMG302 contains elements for two cellular antennas and one GNSS antenna. This provides MIMO (multiple-input-multiple-output) coverage for 4G LTE. This antenna is ideal for fleet management systems that combine GNSS with an LTE MIMO modem. GNSS operates on GPS, Galileo, Glonass, QZSS or Beidou. This antenna is compatible with FirstNet Ready Devices. This antenna is recommended as replacement for the LTM301 and LTMG301 because of its wider cellular bandwidth.

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.

Visit our [eStore](#) to purchase an Antenna Online.

Electrical Specifications		
Frequency & Gain	LTE Cables 1 & 2	694 - 960 MHz, 3 dBi 1710 - 3700 MHz, 4 dBi
	GNSS Cable 3	1561, 1575, & 1602 MHz, LNA 26 dB, 5 dBi (RHCP)
VSWR	< 2:1 VSWR Over Range	
Impedance	50 Ohm Nominal	
Power Rating	10 Watts	
GNSS	Amplifier Gain	26 dB +/- 3 dB
	Amplifier Bias Voltage	2.7 to 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
Optional Mag-Mount	add 0.50" (13 mm) for height dimension
Radome Dimension	5.50" (139 mm) in Diameter & 2.38" (60 mm) in Height
Standard Connectors	SMA Plugs (Male)
Cables 1 - 2	Separate LL-195, 15 ft (4.5 m)
GNSS Cable 3	RG-174, 15 ft (4.5 m)
Operating Temperature	-40° to +80° C
Mounting	7/8" (22.2 mm) Dia. Feed Through 3/4" (19 mm) Long Thread for Up to 1/2" (12.7 mm) Thick Surface
Shock & Vibration	IEEE-1478, EN 61373, MIL-810G, TIA 329.2-C
Dust & Water Ingress	IP69K (Stud Mount, When Properly Mounted)
	IP67 (Mag-Mount, When Properly Mounted)
RoHS Compliant	Yes



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HIGHLIGHTS:

- Multiband Surface Mount: 2x 4G LTE & 1x GNSS
- Covers 694 - 3700 MHz
- Compatible with FIRSTNET
- High Performance; High Gain
- Made-in-the-USA & UK

RELATED MODELS:

- LLPG302 (Lower Profile)
- MXFG302 (Same Freq, MaxFin)
- LTMG308 (Wider Coverage on 5G Sub-6)
- CLTM302 (Ceiling Mount Model)
- MLTMG302 (Mag Mount Model)
- LTM302 (GPS Model)

COMMON APPLICATIONS:

- Vehicle Fleet Management
- Multiband Modems
- Public Transportation



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