

LTMG302

PRODUCT OVERVIEW

The 3-cable LTMG302 contains elements for two Cellular antennas one GNSS antenna. This provides MIMO (multiple-input-multiple-output) coverage for LTE Cellular. 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.

Specify LTM for units with GPS and LTMG for units with GPS/GLONASS.

Specify MLTMG or MLTM for Mag Mounted units.

Specify CLTM or CLTMG for Ceiling Mounted units.

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	Applier Gain	26 dB
	Amplifier Bias Voltage	3 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 Dimension	5.5" (13.9 cm) in diameter 2.38" (6.0 cm) in height
Standard Connectors	SMA Plugs (Male)
Cables 1 - 2	Separate RF-195, 15 ft (4.5m)
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	IEEE1478, EN61373, MIL-810G, TIA 329.2-C
Water Ingress	IP 67 When Properly Mounted



MULTI-BAND ANTENNA

L T M G 3 0 2 - 3 C 3 C 2 C - B L K - 1 8 0

LTE Cables

GNSS
Color
Cable Length (in inches)

HIGHLIGHTS:

- Multiband Surface Mount:
2x LTE & 1x GNSS
- Covers 694 - 3700 MHz
- 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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