

LLPG304

PUBLIC SAFETY SURFACE MOUNT ANTENNA

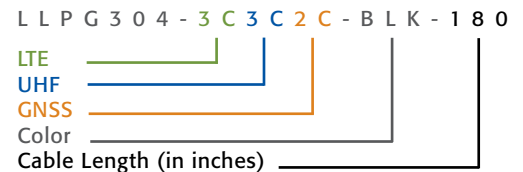
PRODUCT OVERVIEW

The 3-cable LLPG304 (1x LTE, 1x UHF, 1x GNSS) antennas include one LTE/FirstNet antenna, one UHF, and one GNSS antenna.

This multiband Cellular antenna covers 694-4200 MHz. In the US, this includes FirstNet at 758-798 MHz and all C-Band Frequencies from 3.4 to 4.2 GHz. This antenna also covers UHF from 450 to 470 MHz, bands typically used by police and emergency vehicles. The GNSS element operates on GPS, Galileo, Glonass, QZSS, or Beidou at 1561, 1575, & 1602 MHz.

If you are looking for a low-profile Public Safety antenna, this is the solution you've been looking for! The LLPG304 takes up less space than multiple antennas and is effective in applications where tall vehicles have specific height restrictions. This antenna is also ideal for Fixed Site Applications where vandalism is a risk.

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Electrical Specifications		
Frequency & Gain	LTE Cable 1	694 - 960 MHz, 3 dBi 1710 - 4200 MHz, 4 dBi
	UHF Cable 2	450-470 MHz, 3 dBi
	GNSS Cable 3	1561, 1575, & 1602 MHz, LNA 26 dB, 5 dBi (RHCP)
VSWR	< 2.5:1 VSWR (Cellular/LTE) < 2:1 VSWR (UHF)	
Impedance	50 Ohm Nominal	
Power Rating	100 Watts	
GNSS	Amplifier Bias Voltage	2.7 to 5 VDC
	Gain	26 dB, 5 dBi
	Current	20 mA max, 10 mA typical

Mechanical Specifications	
Radome Material & Color	ASA UV-Inhibitive Plastic, Available in Black or White
Radome Dimension	9.00" (228 mm) x 3.50" (89 mm) x 1.25" (31.8 mm) in Height
Standard Connectors	SMA Plugs (Male)
Cables	15 Feet (4.5 m) Cables: LL-195 for LTE & UHF, RG-174 for GNSS, Other Lengths Available
Operating Temperature	-40° to +80° C
Mounting	Thru Hole, Ground Plane Dependent
Shock & Vibration	IEEE-1478, EN 61373, MIL-810G, TIA 329.2-C
Water Ingress	IP67 (When Properly Mounted)
RoHS Compliant	Yes

HIGHLIGHTS:

- Multiband: 1x LTE/FirstNet, 1x UHF, 1x GNSS
- Cellular Coverage 694-4200 MHz
- Low Profile
- Made-in-the-USA & UK

RELATED MODELS:

- LLP304 (GPS Model)
- LTM101 (Single Element UHF, LTM)
- MXF-450 (Single Element UHF, MaxFin)
- A4641 Series (UHF Tamperproof)

COMMON APPLICATIONS:

- Public Safety
- FirstNet (700 Broadband)
- UHF Land Mobile Radio
- Tall Vehicles with Height Restrictions
- Fixed Site with Vandalism Risks



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