

LLPG304

Multiband Surface Mount 1xLTE/FirstNet, 1x UHF ,1x GNSS

PRODUCT OVERVIEW

Mobile Mark’s LLPG304 Series Multiband Public Safety antenna contains three separate antenna elements, all in one compact antenna housing: one broadband LTE/FirstNet/ Cellular antenna, one UHF antenna, and one combine GPS/Glonass antenna.

Broadband communications element covers 694-4200 MHz; includes bands for Cellular, LTE, FirstNet, and 5G-ready applications such as CBRS (Citizen Band Radio Services) at 3.7 GHz.

Low profile radome; designed for installation with height or width restrictions. Narrow enough to fit between the ribs on a Ford Explorer.

Measuring 9” (22.8cm) x 3.5” (8.9cm) with a low profile of 1.25” (3.18cm), the LLPG304 series antennas take up significantly less space than multiple antennas. The radome is available in black and white. The antenna is configured for combined GPS & Glonass use.



- Low Profile, Narrow Footprint
- Narrow enough to fit between the ribs on a Ford Explorer
- Data element covers all Cellular, LTE, FirstNet and Mid-range 5G frequencies

SPECIFICATIONS

Frequency/Gain	
Cable 1	694-960 MHz, 3 dBi, 1710-4200 MHz, 4 dBi
Cable 2	450-470 MHz, 3 dBi
Cable 3	1575 & 1602 MHz, 5 dBi, 26 dB amplifier
VSWR	<2.5:1 VSWR (Cellular/LTE) <2:1 VSWR (UHF)
Impedance	50 OHm
Maximum Power	100 Watts
GPS	Amplifier Bias: 2.7 to 5 VDC Noise Figure: 2.0 dB max, 1.7 dB typical Current: 20 mA max, 10 mA typical
Dimensions	9”x3.5”x1.25” (22.8cmx8.9cmx3.18cm)
Radome Material	ASA UV-Stable Plastic
Operating Temp	-40° to +80° C
Cable	Cable 1-2: Separate LL-195, 15 ft (4.5m)
Stud Mounting	Thru hole, ground plane dependent
Water Ingress	IP67