



No Ground Plane MLPV Low-Profile Vertical Antennas

PCTEL's low-profile antennas provide superior pattern coverage for mobile and fixed applications. The no ground plane design provides industry leading performance and reliability, with minimum loss and no tuning required. This antenna series features an attractive, compact housing ideal for both indoor or outdoor applications. Antennas can be purchased separately, or as a kit assembly with the MVPHP mount for permanent installations (VP option).

Features

- Attractive, low-profile design for maximum overhead clearance
- Industry leading performance provides outstanding coverage across multiple frequency bands without a ground plane
- IP67 rated for ingress protection against severe environmental conditions
- Mates with all 1-1/8"-18 thread mounts, including 3/4" mounts
- N Female termination option available on select models (VP Option)



BMLPV900NGPVP



BMLPVMBLTENG

STANDARD CONFIGURATION

MLPV antennas mate with 1-1/8"-18 thread mounts, including 3/4" mounts (sold separately). For models operating at frequencies over 600 MHz, high frequency mounts are recommended:

MLFML195C: High performance permanent mount 3/4" hole, 1-1/8"-18 thread interface. Includes 17 ft of Pro-Flex™ Plus 195 cable. Loose TNC male connector included. Optimized for frequencies over 600 MHz. Configurable.

GMLFML195C: High performance magnetic mount 3-1/4" diameter base, 1-1/8"-18 thread interface. Includes 12 ft of Pro-Flex™ Plus 195 cable terminated with TNC male connector (attached). Optimized for frequencies over 600 MHz. Configurable.

MTPM800: 5/8" hole, 1-1/8"-18 thread mount for surfaces up to 1/2-inch thick. Terminates in an N Female connector. No cable.** Supports 24 MHz - 6 GHz.

MVPHP: 5/8" hole, vandal proof mount. No cable.** Supports 24 MHz - 6 GHz. Add suffix "VP" to the MLPV part number to have this mount permanently installed at the factory. VP option will not be removable from factory installed "VP" antennas. (example: BMLPV900VP.)

MMF: 3/4" hole, 1-1/8"-18 mount. Terminates in an SMA, Male connector. No cable.** Supports 24 MHz - 6 GHz.

MMF-VP: 3/4" hole vandal-proof mount for frequencies from 0 GHz to 6 GHz. 1-1/8"-18 thread interface. Terminates in SMA, Male connector. No cable**. Accommodates surfaces up to .09-inch thick.

ELECTRICAL SPECIFICATIONS

| Model | Frequency Range | Gain* | VSWR | Maximum Power | Nominal Impedance | Polarization |
|--------------|-----------------------------|-------|---------|---------------|-------------------|------------------|
| BMLPV900NGP | 902-928 MHz | Unity | < 2.0:1 | 100 watts | 50 ohms | Vertical, linear |
| BMLPV2400NGP | 2400-2500 MHz | 3 dBi | < 2.0:1 | 100 watts | 50 ohms | Vertical, linear |
| BMLPVMBLTENG | 698-960 MHz / 1710-2700 MHz | 3 dBi | < 2.0:1 | 100 watts | 50 ohms | Vertical, linear |
| WMLPVMBLTENG | 698-960 MHz / 1710-2700 MHz | 3 dBi | < 2.0:1 | 100 watts | 50 ohms | Vertical, linear |

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

| Model | Dimensions | Weight | Housing Material | Temperature Range | Color |
|--------------|--------------------------------------|--------------------|--|-------------------|-------------------|
| BMLPV900NGP | 1.50 OD x 3.38 H in (3.81 x 8.59 cm) | 0.31 lbs (.14 kg) | Chrome Coil - Bushing ZINC Top Cover - ZINC DIECAST | -40° C to +85°C | Black |
| BMLPV2400NGP | 1.50 OD x 3.38 H in (3.81 x 8.59 cm) | 0.31 lbs (.14 kg) | | -40° C to +85°C | Black |
| BMLPVMBLTENG | 1.44 OD x 3.54 H in (3.66 x 8.99 cm) | 0.40 lbs (0.18 kg) | | -40° C to +85°C | Black |
| WMLPVMBLTENG | 1.44 OD x 3.54 H in (3.66 x 8.99 cm) | 0.40 lbs (0.18 kg) | | -40° C to +85°C | White over Chrome |

*Measured on a 4 foot diameter ground plane. Gain is ground plane dependent.