

BMLPV900NGP or
BMLPV2400NGPBMLPV900NGPVP
or BMLPV2400NGP
with mount

MLPV4900NGP

MLPV4900NGP
connector
interface

Technical Data

Maximum Power: 100 watts
Polarization: Vertical
Nominal Impedance: 50 Ohm
VSWR: < 2.0:1
Ingress Protection: IP66
Color: Black over black
Mount Method: Compatible with 1-1/8" - 18 thread mounts, including 3/4" hole mounts. See Mounting for recommended mounts.

No Ground Plane Low Profile Vertical Antennas

These 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 MVP mount for permanent installations.

Features

- Attractive, low profile design for maximum overhead clearance
- Industry leading performance provides outstanding coverage across multiple frequency bands without a ground plane
- Mates with all 1-1/8"-18 thread mounts, including 3/4" mounts

Mounting

The following mounts are recommended for the MLPV4900NGP only:

Model	Options
MTPMHF	High frequency 5/8" hole, 1-1/8"-18 thread mount for surfaces up to 1-inch thick. N female connector. No cable.*
MVPHF	High frequency 5/8" hole, 1-1/8"-18 thread. Vandal proof mount for surfaces 1/2 to 1-inch thick. M to N female connector. No cable.*
MHFML195C	High performance permanent 3/4" hole, 1-1/8"-18 thread mount. Includes 17 ft of Pro-Flex™ Plus 195 cable. TNC male connector included (loose).
GMHFML195C	High performance 3-1/4" diameter magnetic base, 1-1/8"-18 thread mount. Includes 12 ft of Pro-Flex™ Plus 195 cable terminated with TNC male connector (attached).

The following mounts are recommended for the MLPV2400NGP and MLPV900NGP:

Model	Options
MLFML195C	Permanent mount for frequencies from 800 MHz to 3.0 GHz, 1-1/8"-18 thread. Includes 17 ft of Pro-Flex™ Plus 195 cable. TNC male connector included (loose).
MVP	5/8" hole, vandal proof mount. No cable.

Antenna Electrical Specifications

Model	Frequency Range	Bandwidth	Gain**
BMLPV900NGP	902-928 MHz	26 MHz	Unity
MLPV2400NGP	2.4-2.5 GHz	100 MHz	3 dBi
MLPV4900NGP**	4.9-5.0 GHz	100 MHz	3 dBi

Mechanical Specifications

Model (all colors)	Antenna Dimensions	Weight (Mass)	Temperature Range
BMLPV900NGP	3.38" H x 1.5" OD	0.31 lbs (.14 kg)	-40° C to 70° C
MLPV2400NGP	3.38" H x 1.5" OD	0.31 lbs (.14 kg)	-40° C to 70° C
MLPV4900NGP**	2.4" H X 1.5" OD	0.29 lbs (0.13 kg)	-40° C to 70° C

* Measured on a 1 x 1 foot ground plane.

** Model MLPV4900NGP features a custom connector interface that requires installation on PCTEL high frequency mounts. See above chart for recommended options.

Note: to order antenna with built-in permanent mount, please add suffix "VP" to the antenna part number. For example, BMLPV900NGPVP indicates a 900 MHz NGP antenna with built-in permanent N female bulkhead mount.