

Mobile Low Profile Vertical

The MLPV antennas provide superior pattern coverage for mobile and fixed applications from 380 MHz to 5.8 GHz. Their design provides industry leading wideband performance and reliability, with minimum loss and no tuning required. Dual band versions (MLPVDB series) are also available. All models feature an attractive, compact housing environmentally tested for both indoor or outdoor applications.

Features

- Attractive, low profile design for maximum overhead clearance
- Industry leading wideband performance provides outstanding coverage across multiple frequency bands with no tuning required
- Mates with all 1-1/8"-18 thread mounts, including 3/4" mounts
- Wideband, multi-band and no ground plane models available for maximum installation flexibility with a minimum number of installed antennas required
- NGP models provide 3 dBi gain performance without a ground plane
- Black over chrome base standard. Also available in white over chrome or black over black base

Mounting

The following mounts are recommended with all MLPV antennas [except (B)MLPV4900NGP]:

Model	Options
MLFML195C	High performance permanent 3/4" hole, 1-1/8"-18 thread mount. Includes 17 ft of Pro-Flex™ Plus 195 cable. Loose TNC male connector included.
GMLFML195C	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).
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.*
MVP	5/8" hole, vandal proof mount. No cable.*
MMF	3/4" hole, 1-1/8"-18 mount for frequencies above 1 GHz. Terminates in an SMA, male connector. No cable.*

The following mounts are recommended for the (B)MLPV4900NGP antenna:

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).

*Order cable assembly separately.



BMLPV2400NGP



MLPV800



WMLPVDB800/1900S



BMLPV800HD



Technical Data

Maximum Power: 150 watts (all models, except UHF) 100 watts (UHF models)
Polarization: Vertical
Nominal Impedance: 50 Ohm
VSWR: < 1.5:1 < 2.0:1 (dual-band and UHF models)
Color (add to prefix to indicate choice): Black over chrome (prefix not needed), black over black (B) or white over chrome (W)
Mount Method: Compatible with most 1-1/8" - 18 thread mounts, including 3/4" hole mounts

Antenna Electrical Specifications

Model*	Frequency Range	Bandwidth	Gain***
MLPV380	380-410 MHz	30 MHz	Unity
MLPV406	406-440 MHz	34 MHz	Unity
MLPV430	430-480 MHz	50 MHz	Unity
MLPV450	450-512 MHz	62 MHz	Unity
MLPV700	740-870 MHz	130 MHz	3 dBi***
MLPV800	806-960 MHz	154 MHz	3 dBi***
BMLPV800HD	806-960 MHz	154 MHz	3 dBi***
MLPVDB800/1900	806-960 MHz and 1710-1990 MHz	154 MHz and 280 MHz	3 dBi/4 dBi
BMLPVDB800/1900HD	806-960 MHz and 1710-1990 MHz	154 MHz and 280 MHz	3 dBi/4 dBi
BMLPVDB800/1900SHD	806-960 MHz and 1710-1990 MHz	154 MHz and 280 MHz	3 dBi/4 dBi
MLPVDB800/1900S	806-960 MHz and 1710-2500 MHz	154 MHz and 790 MHz	3 dBi/4 dBi
MLPVDB902/2400	902-928 MHz and 2400-2500 MHz	26 MHz and 100 MHz	3 dBi/4 dBi
MLPVDB902/2400S	902-928 MHz and 2400-2500 MHz	26 MHz and 100 MHz	3 dBi/4 dBi
MLPV1700	1700-2700 MHz	1000 MHz	4 dBi***
MLPV2400NGP**	2.4-2.5 GHz	100 MHz	3 dBi
MLPV4900	4.9-5.9 GHz	1000 MHz	4 dBi
MLPV4900NGP**	4.9-5.0 GHz	100 MHz	3 dBi

Mechanical Specifications

Model (all colors)*	Antenna Dimensions	Weight (Mass)
MLPV380	3.38" H x 1.5" OD	0.31 lbs (.14 kg)
MLPV406	3.38" H X 1.5" OD	0.31 lbs (.14 kg)
MLPV430	3.38" H X 1.5" OD	0.31 lbs (.14 kg)
MLPV450	3.38" H X 1.5" OD	0.31 lbs (.14 kg)
MLPV800 and MLPV700	2.4" H X 1.5" OD	0.29 lbs (0.13 kg)
BMLPV800HD, BMLPV800/1900HD	2.4" H x 1.5" W x 1.7" D (at the base)	0.44 lbs (0.19 kg)
BMLPVDB800/1900SHD	1.79" H x 1.5" W x 1.7" D (at the base)	0.34 lbs (0.15 kg)
MLPVDB800/1900	2.4" H X 1.5" OD	0.29 lbs (0.13 kg)
MLPVDB800/1900S	1.79" H x 1.5" OD	0.29 lbs (0.13 kg)
MLPVDB902/2400	2.4" H X 1.5" OD	0.29 lbs (0.13 kg)
MLPVDB902/2400S	1.79" H x 1.5" OD	0.29 lbs (0.13 kg)
MLPV1700	1.79" H x 1.5" OD	0.34 lbs (0.15 kg)
MLPV2400NGP**	3.38" H x 1.5" OD	0.31 lbs (.14 kg)
MLPV4900**	1.79" H x 1.5" OD (at the base)	0.34 lbs (0.15 kg)
MLPV4900NGP	2.4" H X 1.5" OD	0.29 lbs (0.13 kg)

* To order black over black version, add the prefix "B" to the part number. To order the white over chrome version, add the prefix "W" to the part number. Note: The MLPV4900 and heavy duty models are not available in white over chrome.

** Can be used with or without a ground plane.

***Measured on a 1 x 1 foot ground plane.