Low Profile Vertical Antennas

The MLPV antennas provide superior pattern coverage for all mobile and fixed applications using UHF frequencies from 380-512 MHz, 700/800/900 MHz frequencies from 760 to 960 MHz, and PCS/ISM frequencies from 1700 to 2500 MHz. Their low profile design provides industry leading wideband performance and reliability, with minimum loss and no tuning required. Dual band versions (MLPVDB series) are also available. The MLPV and MLPVDB antennas feature an attractive, compact package and are ideal for indoor or outdoor applications requiring minimum visibility. Color options are black/chrome, white/chrome or black/black. Dual band models are also available in a "short" housing for minimum visibility.

MLPV UHF (left)
BMLPV800HD (top)

BMLPV1700 or Dual band "S" version antenna (left)

WMLPV800 or WMLPVDB dual band antenna (right)

Features

- Attractive, low profile design is available in three color finishes.
- Wideband performance. Only three models are required to cover all 700 MHz, 800 MHz, 900 MHz, PCS and 2.4 GHz frequencies. Three models cover all UHF frequencies.
- Quad band coverage. A single model covers cellular and GSM, ISM, DCS and PCS frequencies. Dual band 902 MHz and 2.4 GHz version also available.
- BMLPV800HD heavy duty model available for 800/900 MHz frequencies. Designed to withstand the toughest operating conditions (black finish only).
- Excellent pattern coverage for mobile and base station applications.
- Compatible with all 3/4" hole mounts for easier installation.
- No tuning required. Allows faster, more reliable installations.

Electrical Specifications

Maximum Power:
150 Watts (all models, except UHF)
100 Watts (UHF models)
VSWR:
Less than 1.5:1
Less than 1.5:1/2:1 (dual band models)
Nominal Impedance:
50 Ohms
Antenna Type:
Low profile vertical

Mechanical Specifications

Radiator Material:
Solid brass
Antenna Dimensions:
MLPV1700 (all colors): 1.79" H x 1.5" OD
MLPV800 and MLPV700 (all colors): 2.4" H X 1.5" OD
BMLPV800HD, BMLPV800/1900HD: 2.4" H x 1.5" W x 1.7" D (at the base)
MLPV406 and MLPV380 (all colors): 3.38" H X 1.5" OD
MLPV430 (all colors): 3.38" H X 1.5" OD
MLPV450 (all colors): 3.38" H X 1.5" OD
MLPVDB800/1900 (all colors): 2.4" H X 1.5" OD
MLPVDB902/2400 (all colors): 2.4" H X 1.5" OD
MLPVDB800/1900S (all colors): 1.79" H x 1.5" OD
MLPVDB902/2400S (all colors): 1.79" H x 1.5" OD
BMLPVDB800/1900SHD: 1.79" H x 1.5" W x 1.7" D (at the base)

Mobile Low Profile Vertical
ISM, PCS, 700/800/900 MHz, UHF

MAXRAD
An ISO-9001 Registered Company

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Model #	Frequency Range	Bandwidth	Gain	Color	List Price
MLPV450	450-512 MHz	62 MHz	Unity	Black over chrome	$38.00
MLPV430	430-480 MHz	50 MHz	Unity	Black over chrome	$38.00
MLPV406	406-440 MHz	34 MHz	Unity	Black over chrome	$38.00
MLPV380	380-410 MHz	30 MHz	Unity	Black over chrome	$38.00
BMLPV450	450-512 MHz	62 MHz	Unity	Black over black	$38.00
BMLPV430	430-480 MHz	50 MHz	Unity	Black over black	$38.00
BMLPV406	406-440 MHz	34 MHz	Unity	Black over black	$38.00
BMLPV380	380-410 MHz	30 MHz	Unity	Black over black	$38.00
WMLPV450	450-512 MHz	62 MHz	Unity	White over chrome	$38.00
WMLPV430	430-480 MHz	50 MHz	Unity	White over chrome	$38.00
WMLPV406	406-440 MHz	34 MHz	Unity	White over chrome	$38.00
WMLPV380	380-410 MHz	30 MHz	Unity	White over chrome	$38.00
MLPV700	760-870 MHz	110 MHz	Ground plane and frequency dependent. Average gain value is 4 dBi.	Black over chrome	$35.00
BMLPV700	760-870 MHz	110 MHz		Black over black	$35.00
WMLPV700	760-870 MHz	110 MHz		White over chrome	$35.00
MLPV800	806-960 MHz	154 MHz	Ground plane and frequency dependent. Average gain value is 3 dBi.	Black over chrome	$35.00
BMLPV800	806-960 MHz	154 MHz		Black over black	$35.00
WMLPV800	806-960 MHz	154 MHz		White over chrome	$35.00
BMLPV800HD	806-960 MHz	154 MHz		Black over black	$42.95
MLPV1700	1700-2500 MHz	800 MHz	Ground plane and frequency dependent. Average gain value is 4 dBi.	Black over chrome	$40.00
BMLPV1700	1700-2500 MHz	800 MHz		Black over black	$40.00
WMLPV1700	1700-2500 MHz	800 MHz		White over chrome	$40.00
MLPVDB800/1900	806-960 MHz and 1710-1990 MHz	154 MHz and 280 MHz	3 dBi	Black over chrome	$45.00
MLPVDB902/2400	902-928 MHz and 2400-2500 MHz	26 MHz and 100 MHz	3 dBi	Black over chrome	$45.00
BMLPVDB800/1900	806-960 MHz and 1710-1990 MHz	154 MHz and 280 MHz	3 dBi	Black over black	$45.00
BMLPVDB902/2400	902-928 MHz and 2400-2500 MHz	26 MHz and 100 MHz	3 dBi	Black over black	$45.00
WMLPVDB800/1900	806-960 MHz and 1710-1990 MHz	154 MHz and 280 MHz	3 dBi	White over chrome	$45.00
WMLPVDB902/2400	902-928 MHz and 2400-2500 MHz	26 MHz and 100 MHz	3 dBi	White over chrome	$45.00
MLPVDB800/1900S	806-960 MHz and 1710-1990 MHz	154 MHz and 280 MHz	3 dBi	Black over chrome	$45.00
MLPVDB902/2400S	902-928 MHz and 2400-2500 MHz	26 MHz and 100 MHz	3 dBi	Black over chrome	$45.00
BMLPVDB800/1900S	806-960 MHz and 1710-1990 MHz	154 MHz and 280 MHz	3 dBi	Black over black	$45.00
BMLPVDB902/2400S	902-928 MHz and 2400-2500 MHz	26 MHz and 100 MHz	3 dBi	Black over black	$45.00
WMLPVDB800/1900S	806-960 MHz and 1710-1990 MHz	154 MHz and 280 MHz	3 dBi	White over chrome	$45.00
WMLPVDB902/2400S	902-928 MHz and 2400-2500 MHz	26 MHz and 100 MHz	3 dBi	White over chrome	$45.00
BMLPVDB800/1900HD	806-960 MHz and 1710-1990 MHz	154 MHz and 280 MHz	3 dBi	Black over black	$52.95
BMLPVDB800/1900SHD	806-960 MHz and 1710-1990 MHz	154 MHz and 280 MHz	3 dBi	Black over black	$52.95