

Lowband Quarter Wave Antennas

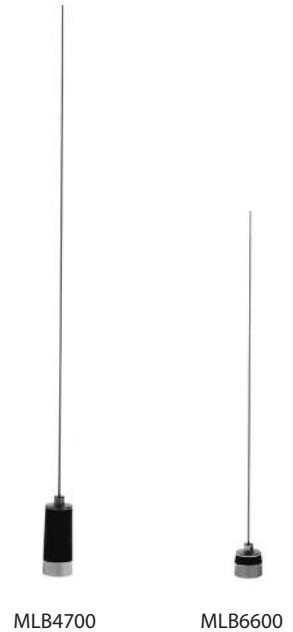
PCTEL's MLB lowband antennas are a popular choice for State Patrol, Land Management and serious CB applications. They provide superior performance for a variety of lowband applications.

Features

- The matching coil is supported by a low-loss coil form to withstand the heaviest shocks
- Durable, attractive housings designed to deter moisture ingress for long lasting, reliable operation
- Mates with all 1-1/8"-18 thread mounts, including 3/4" mounts
- Field tunable within specified frequency range

STANDARD CONFIGURATION

Model*	Optional Spring Available*	Recommended Mounts (Sold Separately)
MLB2700	No	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts
MLB3000	No	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts
MLB3400	No	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts
MLBDC3700(S)**	Yes	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts
MLB4000	No	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts
MLBDC4000(S)**	Yes	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts
MLBDC4700(S)**	Yes	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts
MLB4700(S)	Yes	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts
MLB6600	No	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts



ELECTRICAL SPECIFICATIONS

Model*	Frequency Range	Gain	VSWR	Average Power	Nominal Impedance	Antenna Type
MLB2700	27-31 MHz	Unity	< 1.5:1	200 watts	50 ohm	Base Loaded 1/4 wave
MLB3000	30-35 MHz	Unity	< 1.5:1	200 watts	50 ohm	Base Loaded 1/4 wave
MLB3400	34-40 MHz	Unity	< 1.5:1	200 watts	50 ohm	Base Loaded 1/4 wave
MLBDC3700(S)**	37-40 MHz	Unity	< 1.5:1	500 watts	50 ohm	Base Loaded Tapped 1/4 Wave
MLB4000	40-47 MHz	Unity	< 1.5:1	200 watts	50 ohm	Base Loaded 1/4 wave
MLBDC4000(S)**	40-47 MHz	Unity	< 1.5:1	500 watts	50 ohm	Base Loaded Tapped 1/4 Wave
MLBDC4700(S)**	47-50 MHz	Unity	< 1.5:1	500 watts	50 ohm	Base Loaded Tapped 1/4 Wave
MLB4700(S)	47-54 MHz	Unity	< 1.5:1	200 watts	50 ohm	Base Loaded 1/4 wave
MLB6600	66-132 MHz	Unity	< 1.5:1	200 watts	50 ohm	Full length 1/4 wave

MECHANICAL SPECIFICATIONS

Model*	Approximate Whip Length at Lowest Frequency	Temperature Range	Radiator	Spring Material	Housing Material
MLB2700	52"	-40°C to +85°C	17-7 PH SS	N/A	Black UV-Stable Polymer
MLB3000	52"	-40°C to +85°C	17-7 PH SS	N/A	Black UV-Stable Polymer
MLB3400	52"	-40°C to +85°C	17-7 PH SS	N/A	Black UV-Stable Polymer
MLBDC3700(S)**	52"	-40°C to +85°C	17-7 PH SS	SST	Black UV-Stable Polymer
MLB4000	52"	-40°C to +85°C	17-7 PH SS	N/A	Black UV-Stable Polymer
MLBDC4000(S)**	52"	-40°C to +85°C	17-7 PH SS	SST	Black UV-Stable Polymer
MLBDC4700(S)**	52"	-40°C to +85°C	17-7 PH SS	SST	Black UV-Stable Polymer
MLB4700(S)	52"	-40°C to +85°C	17-7 PH SS	SST	Black UV-Stable Polymer
MLB6600	52"	-40°C to +85°C	17-7 PH SS	N/A	Black UV-Stable Polymer

* To select spring option, add suffix "S" to part number. Example: MLB4700S ** This model is DC grounded