Laird TECHNOLOGIES

Innovative **Technology** for a **Connected** World

Mobile Load Coil Antennas



Laird Technologies continues to develop and improve all land mobile radio antenna products. Years of refinement in the mechanical and electrical design of load coil products have resulted in the most technically advanced antennas on the market. These mobile antennas are designed and built for demanding applications and typically outlast the cars they are mounted on. The antennas are manufactured in over 100 variations and each model is permanently marked for model and frequency. No ground plane antennas provide flexibility in any mounting application, while dual and wide band models attain full value out of today's advanced radios. Please contact Laird Technologies for availability on additional products and mobile applications.

FEATURES RoHS

- Gold plated contact provides the most corrosion resistance and best power transfer over time
- ABS material is injection molded directly around the solid brass inserts for a virtually indestructible load coil housing that will not leak or disassemble
- Stainless steel shock spring or elastomer spring options dampens vibration and will not rust
- O-ring built into the base provides a weather-tight seal with gold push pin contact for best power transfer over time

APPLICATIONS

- Police Cruisers
- Municipal Vehicles
- Emergency Vehicles
- Industrial Vehicles

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Model	Description	Frequency Range	Center	Gain Freq	Overall Length	Whip Style
Lowband DC Ground Base Models						
C27	1/4 Wave	26.75-31 MHz	Tunable	Unity	52.5″	49″ Tapered
C30	1/4 Wave	30 - 35 MHz	Tunable	Unity	52.5″	49″ Tapered
C34	1/4 Wave	34 - 37 MHz	Tunable	Unity	52.5″	49″ Tapered
C37	1/4 Wave	37 - 40 MHz	Tunable	Unity	52.5″	49″ Tapered
C40S	1/4 Wave w/Spring	40 - 47 MHz	Tunable	Unity	52.5″	49″ Tapered
C40	1/4 Wave	40 - 47 MHz	Tunable	Unity	52.5″	49″ Tapered
C47	1/4 Wave	47 - 50 MHz	Tunable	Unity	52.5″	49″ Tapered
VHF Models						
B66	1/4 Wave Broadband	66 - 174 MHz	Tunable	Unity	51″	49″ Tapered
B132	1/4 Wave Broadband	132 - 928 MHz	Tunable	Unity	23″	21″ Straight
B132S	1/4 Wave Broadband	132 - 525 MHz	Tunable	Unity	23″	21″ Straight
B1322N	NGP Base Loaded 1/2 Wave	132 - 174 MHz	Tunable	2.4 dBi	57″	55″ Tapered
B1322W	1/4 Wave Wideband	Variable*	Tunable	Unity	23″	21″ Straight
B1322WS	1/4 Wave Wideband w/spring	Variable*	Tunable	Unity	23″	21″ Straight
B1323S	5/8 Wave w/Spring	132 - 174 MHz	Tunable	3 dBi	59″	55″ Tapered
B1323	5/8 Wave	132 - 174 MHz	Tunable	3 dBi	57″	55″ Tapered
B1442NS	NGP Base Loaded 1/2 Wave w/Spring	144 - 174 MHz	Tunable	2.4 dBi	53″	49″ Tapered
B1442N	NGP Base Loaded 1/2 Wave	144 - 174 MHz	Tunable	2.4 dBi	51″	49″ Tapered
B1443	5/8 Wave	144 - 174 MHz	Tunable	3 dBi	51-3/8″	49″ Tapered
B1443S	5/8 Wave w/Spring	144 - 174 MHz	Tunable	3 dBi	53-3/8″	49″ Tapered
B2003	5/8 Wave	200 - 225 MHz	Tunable	3 dBi	35″	33″ Straight
B2503	5/8 Wave	250 - 280 MHz	Tunable	3 dBi	26.5″	24-1/2″ Straight
B2002N	NGP Base Loaded 1/2 Wave	200 - 225 MHz	Tunable	2.4 dBi	31.5″	29-1/2″ Straight

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UHF Models						
B4063	5/8 Wave	406 - 430 MHz	Tunable	3 dBi	15″	13″ Straight
B4303	5/8 Wave	430 - 450 MHz	Tunable	3 dBi	14″	11-13/16″ Straight
B4503	5/8 Wave	450 - 470 MHz	Tunable	3 dBi	13″	11″ Straight
B4703	5/8 Wave	470 - 490 MHz	Tunable	3 dBi	12.5″	10-11/16″ Straight
B4903	5/8 Wave	490 - 512 MHz	Tunable	3 dBi	12.5″	10-1/2″ Straight
B4065C	Closed Coil Collinear	406 - 430 MHz	Tunable	5 dBi	39.5″	37-3/8″ Collinear
B4305C	Closed Coil Collinear	430 - 450 MHz	Tunable	5 dBi	36″	34-1/8″ Collinear
B4505CS	Closed Coil Collinear w/Spring	450 - 470 MHz	Tunable	5 dBi	37″	32-3/4″ Collinear
B4505C	Closed Coil Collinear	450 - 470 MHz	Tunable	5 dBi	35″	32-3/4″ Collinear
B4705C	Closed Coil Collinear	470 - 490 MHz	Tunable	5 dBi	33″	31-1/4″ Collinear
B4905C	Closed Coil Collinear	490 - 512 MHz	Tunable	5 dBi	31″	29-1/8″ Collinear
B4062N	NGP 1/2 Wave	406 - 430 MHz	Tunable	2.4 dBi	14.31″	11-9/16″ Straight
B4302N	NGP 1/2 Wave	430 - 450 MHz	Tunable	2.4 dBi	12.5″	10-5/8″ Straight
B4502N	NGP 1/2 Wave	450 - 470 MHz	Tunable	2.4 dBi	12.5″	10-5/16″ Straight
B4065CN	NGP Closed Coil Collinear	406 - 430 MHz	Tunable	5 dBi	36″	34-1/8″ Collinear
B4305CN	NGP Closed Coil Collinear	430 - 450 MHz	Tunable	5 dBi	35″	32-7/8″ Collinear
B4505CN	NGP Closed Coil Collinear	450 - 470 MHz	Tunable	5 dBi	32.5″	30-1/2″ Collinear
B4705CN	NGP Closed Coil Collinear	470 - 490 MHz	Tunable	5 dBi	30.5″	28-7/16″ Collinear
B4905CN	NGP Closed Coil Collinear	490 - 512 MHz	Tunable	5 dBi	29″	27-1/8″ Collinear

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Model	Description	Frequency Range	Center Freq	Gain	Overall Length
Wideband - Lowband					
WPC39S0B-001	Omnidirectional Heavy Duty	39 - 46 MHz	42.5 MHz	2 dBi	63-7/8″
Wideband - VHF Models					
CW1320	End Fed 1/4 Wave	132 - 174 MHz	Tunable	Unity	18-3/4″
CW1443	Base Loaded 5/8 Wave	144 - 156 MHz	150 MHz	3 dBi	50-1/2″
CW1503	Base Loaded 5/8 Wave	150 - 162 MHz	156 MHz	3 dBi	48-1/2″
CW1533	Base Loaded 5/8 Wave	153 - 169 MHz	161 MHz	3 dBi	49-1/2″
CW1623	Base Loaded 5/8 Wave	162 - 174 MHz	168 MHz	3 dBi	43-1/2″
Wideband - UHF Models					
CW4065C	Closed Coil Collinear	406 - 430 MHz	418 MHz	5 dBi	37-1/2″
CW4405C	Closed Coil Collinear	440 - 470 MHz	455 MHz	5 dBi	35-1/2″

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