

LAND MOBILE RADIO



B1443S

Mobile Load Coil

- Low loss coil form adds dimensional and frequency stability
- ABS material is injection molded around solid brass inserts to create a virtually indestructible housing that is virtually leak proof
- All silver soldered joints ensure electrically and mechanically secure connections



Gold Contact
Lifetime Product Identification



B1443 B4505C C27

Model	Description	Frequency	Center Freq	Gain	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
B1323S	5/8 Wave w/Spring	132 - 174 MHz	Tunable	3 dB	59	55" Tapered
B1323	5/8 Wave	132 - 174 MHz	Tunable	3 dB	57	55" Tapered
B1443	5/8 Wave	144 - 174 MHz	Tunable	3 dB	51- 3/8	49" Tapered
B1443S	5/8 Wave w/Spring	144 - 174 MHz	Tunable	3 dB	53- 3/8	49" Tapered
B2003	5/8 Wave	200 - 225 MHz	Tunable	3 dB	35	33" Straight
B2503	5/8 Wave	250 - 280 MHz	Tunable	3 dB	26.5	24 1/2" Straight
B1322N	NGP Base Loaded 1/2 Wave	132 - 174 MHz	Tunable	2.4 dB	57	55" Tapered
B1442NS	NGP Base Loaded 1/2 Wave w/Spring	144 - 174 MHz	Tunable	2.4 dB	53	49" Tapered
B1442N	NGP Base Loaded 1/2 Wave	144 - 174 MHz	Tunable	2.4 dB	51	49" Tapered
B2002N	NGP Base Loaded 1/2 Wave	200 - 225 MHz	Tunable	2.4 dB	31.5	29 1/2" Straight
UHF Models						
B4063	5/8 Wave	406 - 430 MHz	Tunable	3 dB	15	13" Straight
B4303	5/8 Wave	430 - 450 MHz	Tunable	3 dB	14	11 13/16" Straight
B4503	5/8 Wave	450 - 470 MHz	Tunable	3 dB	13	11" Straight
B4703	5/8 Wave	470 - 490 MHz	Tunable	3 dB	12.5	10 11/16" Straight
B4903	5/8 Wave	490 - 512 MHz	Tunable	3 dB	12.5	10 1/2" Straight
B4065C	Closed Coil Collinear	406 - 430 MHz	Tunable	5 dB	39.5	37 3/8" Collinear
B4305C	Closed Coil Collinear	430 - 450 MHz	Tunable	5 dB	36	34 1/8" Collinear
B4505CS	Closed Coil Collinear w/Spring	450 - 470 MHz	Tunable	5 dB	37	32 3/4" Collinear
B4505C	Closed Coil Collinear	450 - 470 MHz	Tunable	5 dB	35	32 3/4" Collinear
B4705C	Closed Coil Collinear	470 - 490 MHz	Tunable	5 dB	33	31 1/4" Collinear
B4905C	Closed Coil Collinear	490 - 512 MHz	Tunable	5 dB	31	29 1/8" Collinear
B4062N	NGP 1/2 Wave	406 - 430 MHz	Tunable	2.4 dB	14.31	11 9/16" Straight
B4302N	NGP 1/2 Wave	430 - 450 MHz	Tunable	2.4 dB	12.5	10 5/8" Straight
B4502N	NGP 1/2 Wave	450 - 470 MHz	Tunable	2.4 dB	12.5	10 5/16" Straight
B4065CN	NGP Closed Coil Collinear	406 - 430 MHz	Tunable	5 dB	36	34 1/8" Collinear
B4305CN	NGP Closed Coil Collinear	430 - 450 MHz	Tunable	5 dB	35	32 7/8" Collinear
B4505CN	NGP Closed Coil Collinear	450 - 470 MHz	Tunable	5 dB	32.5	30 1/2" Collinear
B4705CN	NGP Closed Coil Collinear	470 - 490 MHz	Tunable	5 dB	30.5	28 7/16" Collinear
B4905CN	NGP Closed Coil Collinear	490 - 512 MHz	Tunable	5 dB	29	27 1/8" Collinear

Antenna Ordering Guide

BB4505CNS =

B-Mobile Load Coil, Black Chrome Finish, 450-470 MHz, 5 dB Gain, Closed Coil Collinear, No Ground Plane, Spring

B	Antenna Style	B = B Mobile Load Coil	
B	Finish	Blank = Chrome	B = Black
450	Frequency	Initial frequency rating component of part number	
5	Gain	Blank = Unity (Lowband Models)	
		0 = Unity	3 = 3 dB 5 = 5 dB
C	Phasing Coil	Blank = Straight Rod C = Close	
N	Ground Plane	N = No Ground Plane Blank = Ground Plane	
S	Spring Option	S = Spring Option	

Items printed in green are in-stock and available for immediate delivery

Model	Description	Frequency	Center Freq	Gain	Overall Length
700 - 900 MHz Models					
B7603	Base Loaded 5/8 Wave	760 - 870 MHz	812 MHz	3 dBi	4 7/8" Straight
B7643	Base Loaded 5/8 Wave	764 - 870 MHz	812 MHz	3 dBi	4 7/8" Straight
B8063	Base Loaded 5/8 Wave	806 - 866 MHz	Tunable	3 dB	4 7/8" Straight
B8963	Base Loaded 5/8 Wave	896 - 970 MHz	933 MHz	3 dBi	4 7/8" Straight
B8065C	Base Loaded Closed Collinear	806 - 866 MHz	Tunable	5 dB	16" Collinear
B8965C	NGP Closed Collinear	896 - 970 MHz	Tunable	5 dB	13 3/4" Collinear
B8062N	NGP Bases Loaded 1/2 Wave	806 - 866 MHz	Tunable	2.4 dB	4 7/8" Straight
B8065CN	NGP Closed Collinear	806 - 866 MHz	Tunable	5 dB	16" Collinear
B8965CN	NGP Closed Collinear	896 - 970 MHz	Tunable	5 dB	13 3/4" Collinear

Options and Accessories

B	Add Black Chrome Finish
S	Add Shock Spring
SB	Add Black Shock Spring
RO49T	49" tapered whip and ball
ROB49T	Black 49" tapered whip and ball

Wideband - Lowband

CW27	Base Loaded 1/4 Wave	26.8 - 29.7 MHz	28.25 MHz	Unity	67.5
CW30	Base Loaded 1/4 Wave	30 - 34 MHz	32 MHz	Unity	63.5
CW34	Base Loaded 1/4 Wave	34 - 40 MHz	37 MHz	Unity	66
CW37	Base Loaded 1/4 Wave	37 - 46 MHz	41.5 MHz	Unity	60-3/4
CW42	Base Loaded 1/4 Wave	42 - 48 MHz	45 MHz	Unity	54-3/4

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 dB	50-1/2
CW1503	Base Loaded 5/8 Wave	150 - 162 MHz	156 MHz	3 dB	48-1/2
CW1533	Base Loaded 5/8 Wave	153 - 169 MHz	161 MHz	3 dB	49-1/2
CW1623	Base Loaded 5/8 Wave	162 - 174 MHz	168 MHz	3 dB	43-1/2

Wideband - UHF Models

CW4065C	Closed Coil Collinear	406 - 430 MHz	418 MHz	5 dB	37-1/2
CW4405C	Closed Coil Collinear	440 - 470 MHz	455 MHz	5 dB	35-1/2

Options and Accessories

B	Black Finish Add:
S	Shock Spring for B and C Coils

Elevated Feed Point - UHF Model

EB4503C	Black	450-470 MHz	460 MHz	3 dB	Closed coil Collinear
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800/900 MHz Models

E8063	Chrome	806 - 896 MHz	851 MHz	3 dB	Open coil collinear
E8063C	Chrome	806 - 896 MHz	851 MHz	3 dB	Closed coil collinear
E8065C	Chrome	806 - 896 MHz	851 MHz	5 dB	Closed coil collinear
EB8063	Black	806 - 896 MHz	851 MHz	3 dB	Open coil collinear
EB8063C	Black	806 - 896 MHz	851 MHz	3 dB	Closed coil collinear
EB8065C	Black	806 - 896 MHz	851 MHz	5 dB	Closed coil collinear
EB8965C	Black	896 - 970 MHz	933 MHz	5 dB	Closed coil collinear



Mobile Load Coil



Wideband

- Feature unique dual tuned circuit design
- Allows operation over a broad range of channels/frequencies
- Self tuning feature with no rod trimming allows for faster installations

Elevated Feed Point

- Ensure signal over high roof lines
- Internal circuit board design provides stable high performance
- No ground plane allows versatile mounting options
- Fiberglass feed shaft for heat resistance, strength, and rigidity

E8065C

