



## B132S

### Spring Mount Antenna 132-525 MHz

Laird's ongoing commitment to refinement in mechanical and electrical design has resulted in the most technically advanced mobile load coil antennas on the market. Exclusive features such as stainless-steel whips, housings constructed with ABS material injection molded around a solid brass insert, and gold-plated push pin contacts make Laird the obvious choice for quality and long-lasting value for demanding mobile radio communications.

### FEATURES AND BENEFITS

- Easily removable rod allows the mount to stay water tight during car washes
- O-ring built into the base creates a weather-tight seal
- ABS material is injection molded directly around the solid brass inserts for a virtually indestructible housing that will not leak or disassemble
- All silver soldered joints provide an electrically and mechanically secure connection

### APPLICATIONS

- Public safety
- Transportation
- Utility
- Military mobile

#### ELECTRICAL SPECIFICATION

Operating Frequency (MHz)	132 - 525
Number of Ports	1
VSWR - Max	<2.0:1
Gain (dBi)	2
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	200
Polarization	Vertical
Vertical Plane 3 dB Beamwidth Port 1	110°
Horizontal Plane 3 dB Beamwidth Port 1	360°
Noise Suppressor	BlackHawk NS1535 1-35 VOLT, 15 Amp Noise Suppressor (Sold Separately)

## MECHANICAL SPECIFICATIONS

Dimensions - diameter x height - mm (inches)	584 x 36.58 (23 x 1.44)
Weight - kg (lbs.)	2.27 (<0.5)
Cable Type	Not Included

## ENVIRONMENTAL SPECIFICATIONS

Operating Environment (Indoor or Outdoor)	Outdoor
Operating Temperature - °C (°F)	-30 to +85°C (-22 to +185°F)
Wind Resistance - ft2	0.023

## CONFIGURATION

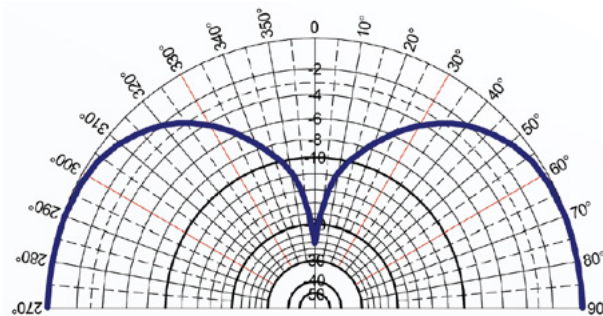
PART NUMBER	DESCRIPTION	FINISH	HEIGHT	TUNING
B132S	132-525 MHz, Base Loaded 1/4 Wave Broadband	Chrome	23"	See Cutting Chart
BB132S	132-525 MHz, Base Loaded 1/4 Wave Broadband	Black	23"	See Cutting Chart

## B132S CUTTING / TUNING CHART

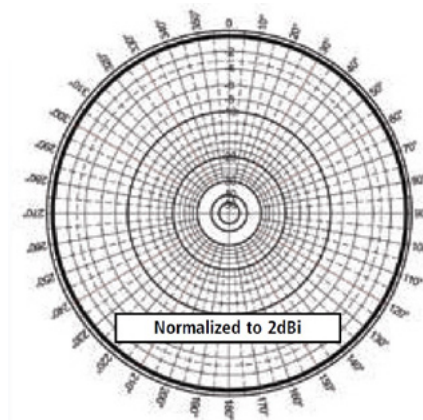
FREQUENCY	WHIP LENGTH	FREQUENCY	WHIP LENGTH	FREQUENCY	WHIP LENGTH
132	19 3/8"	156	16"	220	10 1/52"
134	19"	158	15 5/8"	230	10 1/8"
136	18 1/2"	160	15 3/8"	240	9 3/4"
138	18 1/8"	162	15"	250	9 1/4"
140	17 7/8"	164	14 7/8"	406	5 5/8"
142	17 5/8"	166	14 5/8"	425	4 1/8"
144	17 1/2"	168	14 1/2"	450	3 5/8"
146	17 1/4"	170	14 3/8"	475	3 1/8"
148	17"	172	14 1/8"	500	3"
150	16 7/8"	174	14"	525	3 3/4"
152	16 1/2"	200	11 1/2"		
154	16 1/4"	210	11"		

## RADIATION PATTERNS

### Elevation Pattern (Y, Z, or H-Plane)



### Elevation Pattern (Y, Z, or H-Plane)



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