



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

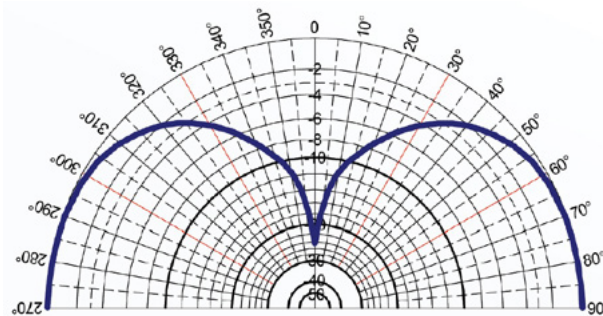
PART NUMBER	DESCRIPTION	FINISH	HEIGHT	TUNING
B132S	132-525 MHz, Base Loaded 1/4 Wave Broadband	Chrome	23"	See Cutting Chart
BB132S	132-525 MHz, Base Loaded 1/4 Wave Broadband	Black	23"	See Cutting Chart

B132S CUTTING / TUNING CHART

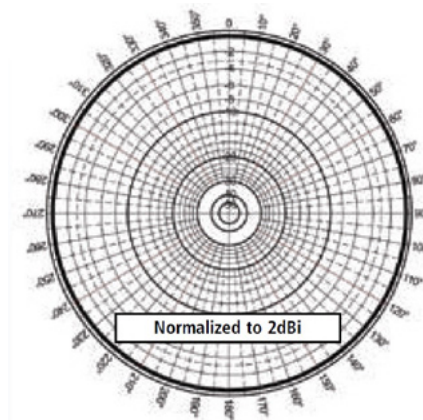
FREQUENCY	WHIP LENGTH	FREQUENCY	WHIP LENGTH	FREQUENCY	WHIP LENGTH
132	19 3/8"	156	16"	220	10 1/52"
134	19"	158	15 5/8"	230	10 1/8"
136	18 1/2"	160	15 3/8"	240	9 3/4"
138	18 1/8"	162	15"	250	9 1/4"
140	17 7/8"	164	14 7/8"	406	5 5/8"
142	17 5/8"	166	14 5/8"	425	4 1/8"
144	17 1/2"	168	14 1/2"	450	3 5/8"
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)



TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

te.com

TE, and TE connectivity (logo) are trademarks owned or licensed by the TE Connectivity Ltd. family of companies. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

TE Connectivity warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations TE Connectivity will, at its option, either repair or replace any part of its products that prove defective because of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the TE Connectivity product is installed. Useful lifetime of the original end product may vary but is not warranted to exceed one (1) year from the original date of the end product purchase.

©2022 TE Connectivity. All Rights Reserved.

08/22 Original