



MOBILE LOAD COIL ANTENNA

Spring B4303S

PREMIUM MOBILE LOAD COIL ANTENNAS ARE INDUSTRY STANDARD

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.

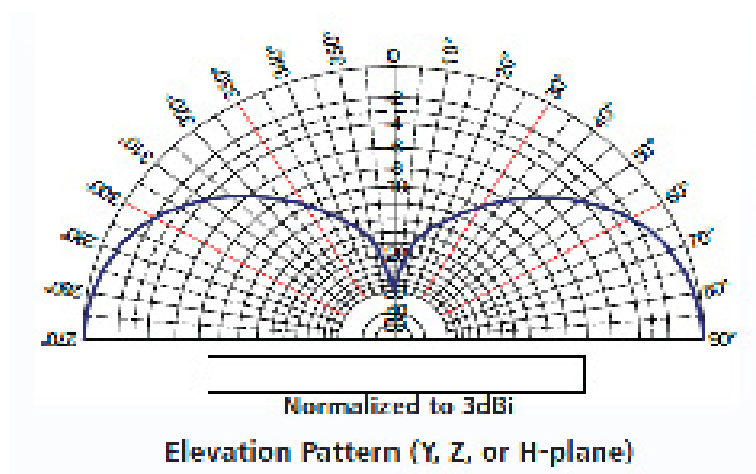
FEATURES ✓ RoHS

- 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

MARKETS

- Public safety
- Transportation
- Utility
- Military mobile

ANTENNA PATTERNS



ELECTRICAL SPECIFICATIONS

Frequency range	430-450 MHz
VSWR	< 2.1 Max
Nominal gain	3 dBi
Maximum power	200 W
Nominal impedance	50 Ω
Polarization	Vertical
Pattern	Omnidirectional
Half-power beamwidth (Elevation x Azimuth)	70 x 360
Coaxial cable length & type	None
Terminations	NMO
Noise suppressor	BlackHawk NS1535 1-35 VOLT, 15 amp Noise suppressor (Sold Separately)

MECHANICAL SPECIFICATIONS

Height	19 ³ / ₈ (Also, see cutting chart)
Diameter	1.44
Weight	< 0.5 lb
Equivalent Flat Plate Area (Wind Resistance in Sq. Ft.)	0.023 sq. ft.
Mounting Information (Sold Separately)	NMO Mountable

MODEL AND ORDERING INFORMATION

MODEL	DESCRIPTION	OVERALL HEIGHT	TUNING
B4303S	430-450 MHz, 5/8 Wave, Chrome Finish	23	See Cutting Chart
BB4303S	430-450 MHz, 5/8 Wave, Black Finish	23	See Cutting Chart

B4303S CUTTING CHART

FREQUENCY	WHIP LENGTH
430 MHz	9-13/16
435 MHz	9 ⁹ / ₁₆
440 MHz	18-5/16
445 MHz	9
450 MHz	8 ³ / ₄

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