



PREMIUM MOBILE LOAD COIL ANTENNAS ARE INDUSTRY STANDARD

Laird Technologies' 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 Technologies the obvious choice for quality and long lasting value for demanding mobile radio communications.

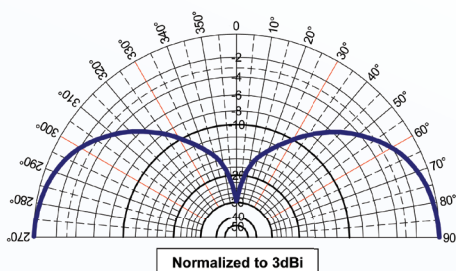
FEATURES

- 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

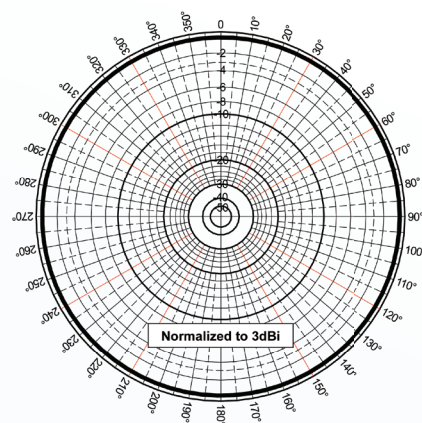
MARKETS

- Public safety
- Transportation
- Utility
- Military mobile

ANTENNA PATTERNS



Elevation Pattern (Y, Z, or H-plane)



Azimuth Pattern (X, Y, or E-plane)

global solutions: local support™

Americas: +1.847.839.6907
IAS-AmericasEastSales@lairdtech.com

Europe: +1.32.80.7866.12
IAS-EUSales@lairdtech.com

Asia: +1.65.6.243.8022
IAS-AsiaSales@lairdtech.com

www.lairdtech.com

Mobile Load Coil Antenna

Standard B8063

SPECIFICATIONS

ELECTRICAL	
Frequency Range	806-866 MHz
VSWR	< 2.1
Gain	2 dBi
Maximum Power	200 W
Input Impedance	50 Ω

MECHANICAL	
Radiator	4 $\frac{7}{8}$ " 17-7 ph, straight stainless steel rod
Contact	Gold plated push internal contact and gold plated push pin external contact
Brass Fitting	Copper, nickel, and chrome plated
Coil Form	3 dimensional precision machine delrin
Mounting	$\frac{3}{4}$ or $\frac{5}{8}$ " hole permanent, $\frac{3}{8}$ " Snap, Magnetic and Trunk Lid Mounts
Quality Assurance	100% tested on a network analyzer
Water Resistance	Normal rain and splash degree
	<ul style="list-style-type: none"> • O-ring seal built into the coil bottom • Coil housing may be left on and the ferrule can be removed from a car wash in order to protect the mount from moisture.

MODEL AND ORDERING INFORMATION

MODEL	DESCRIPTION	OVERALL HEIGHT	TUNING
B8063	806-866 MHz, Base Loaded $\frac{5}{8}$ Wave, Chrome Finish	7"	Fixed tune @836 MHz
BB8063	806-866 MHz, Base Loaded $\frac{5}{8}$ Wave, Black Finish	7"	Fixed tune @836 MHz

ANT-DS-B8063 0809

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