

B1360W

Wide Band Mobile Load Coil Antenna 136-174 MHz

Laird Connectivity'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 injected molded around a solid brass insert, and gold-plated push pin contacts make Laird Connectivity the obvious choice for quality and long-lasting value for demanding mobile radio communications.

FEATURES AND BENEFITS

- High performance wide band mobile antenna
- Special UV-treated radome, resists sun damage
- Easy installation with optional NMO mounts
- 100% tested on a network analyzer

APPLICATION

- Public safety
- Transportation
- Utility
- Military mobile

ELECTRICAL SPECIFICATIONS	
Model Name	B1360W
Operating Frequency (MHz)	136-174
Number of Ports	1 (VHF)
Center Frequency (MHz)	155
Gain	Unity
Pattern	Omnidirectional
VSWR	≤ 2.0:1
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	100
Polarization	Vertical

MECHANICAL SPECIFICATIONS	
Length – cm (inches)	~49.4 (~19.5)
Diameter – mm (inches)	36.58 (1.44)
Weight – kg (oz.)	0.268 (9.44)
Termination	1-1/8" – 18 thread (NMO) mounts
Mounting Options (sold separately)	3/4" or 3/8" NMO magnetic or trunk mount
Radiator	17-7ph straight stainless steel
Shock Spring	302 stainless steel
Base Housing Material	Molded ABS
Noise Suppressor (sold separately)	Blackhawk NS1535

ENVIRONMENTAL SPECIFICATIONS	
Operating Environment (Indoor or Outdoor)	Outdoor
Wind Resistance – sq. ft.	0.049
Material Substance Compliance	RoHS

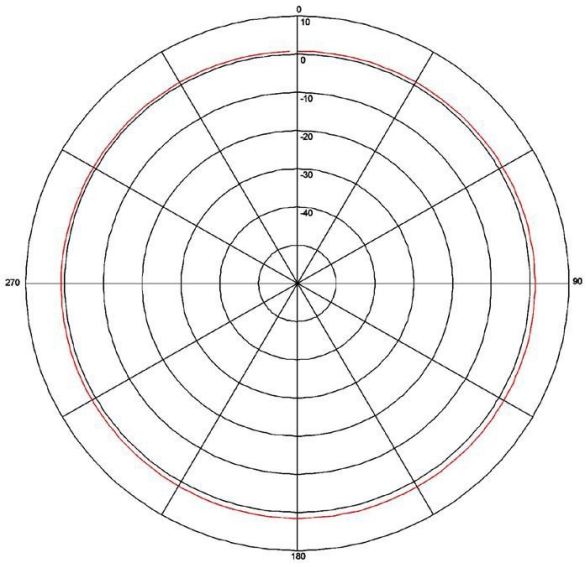
CONFIGURATION

PART NUMBER	DESCRIPTION
B1360W	Chrome B-coil wide band antenna
BB1360W	Black B-coil wide band antenna
B1360WS	Chrome B-coil wide band antenna w/ spring
BB1360WS	Black B-coil wide band antenna w/ spring

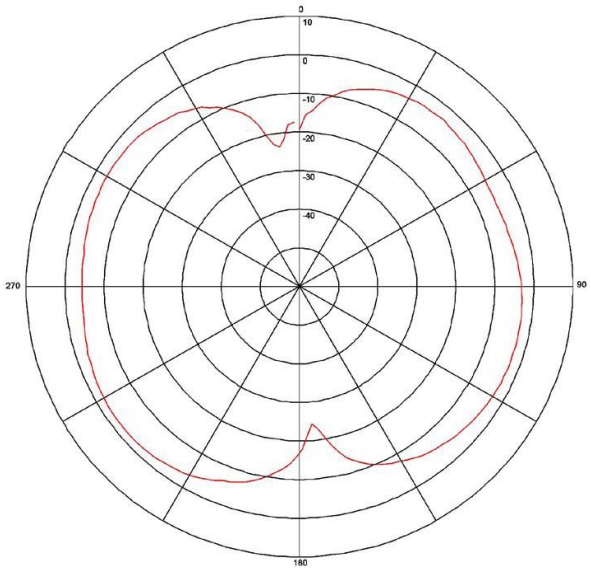
RADIATION PATTERNS

154 MHz

Azimuth Plot



Elevation Plot



VSWR PLOT AT 136-174MHz



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11/21 Original

Laird™ External Antennas is now part of TE connectivity