



### 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 injected 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

- High performance wide band mobile antenna
- High gain, wideband antenna does not require field tuning
- Special UV treated radome, resists sun damage
- Easy installation with optional NMO Mounts
- 100% tested on a network analyzer

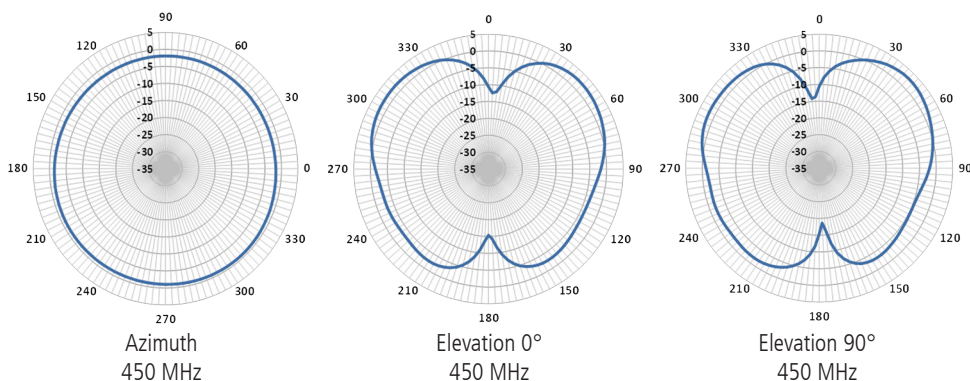
### MARKETS

- Public safety
- Transportation
- Utility

### SPECIFICATIONS

| ELECTRICAL                                  |                     | MECHANICAL              |                                  |
|---------------------------------------------|---------------------|-------------------------|----------------------------------|
| Frequency range                             | 380-520 MHz         | B3803W                  | 9.25 in (235 mm)                 |
| Peak gain                                   | 3 dBi               | BB3803W                 |                                  |
| Efficiency                                  | High: 89%; Avg: 84% | B3803WS                 | 9.9 in (252 mm)                  |
| Azimuth bandwidth at half power             | 360°                | BB3803WS                |                                  |
| Elevation bandwidth at half power (815 MHz) | 100°                | B3803WR                 | 9.125 in (232 mm)                |
| Pattern                                     | Omnidirectional     | BB3803WR                |                                  |
| Maximum Power                               | 200 Watts           | Diameter                | 1.44 in (36.6 mm)                |
| Nominal Impedance                           | 50 $\Omega$         | Operational Temperature | -31°F to +176°F (-35°C to +80°C) |
| Polarization                                | Vertical            | Storage Temperature     | -31°F to +176°F (-35°C to +80°C) |
| VSWR                                        | $\leq 2:1$          | Termination             | NMO                              |
|                                             |                     | Mounting Information    | Ground Plane Dependent           |
|                                             |                     | Color                   | Black or Chrome                  |
|                                             |                     | Radome Material         | ABS                              |

### ANTENNA PATTERNS AND VSWR CHART



VSWR Plot (Measured on 2' x 2' GP)

### ANTENNA ORDERING GUIDE

#### BB3803WR =

B Mobile Load Coil, Black Chrome Finish, 380-520mhz, 3 dBi Gain, Rubber Spring

|            |                      |                                                   |
|------------|----------------------|---------------------------------------------------|
| <b>B</b>   | <b>Antenna Style</b> | B = B Mobile Load Coil                            |
| <b>B</b>   | <b>Finish</b>        | Blank = Chrome B = Black                          |
| <b>380</b> | <b>Frequency</b>     | Initial frequency rating component of part number |
| <b>3</b>   | <b>Gain</b>          | 3 = 3 dBi                                         |
| <b>W</b>   |                      |                                                   |
| <b>R</b>   | <b>Spring Option</b> | Blank = Ferrule S = SS Spring R = Rubber Spring   |

### ANT-DS-UHF-Wideband 0613

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## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

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moschip.ru\_9