



6 ELEMENT DIRECTIONAL YAGI ANTENNA

Laird's directional gamma matched Yagi antennas are focused on economical and high performance. This UHF yagi series has a 12.2dBi antenna gain and operates on 406-430 MHz frequency range. It is manufactured using high strength 6061-T6 aluminum to withstand heavy ice, high wind and other harsh conditions.

FEATURES

- Every Yagi is tuned on a network analyzer for best power match and lowest VSWR.
- All Yagi antennas ship complete with a high quality cast aluminum mounting kit that includes stainless steel hardware and allows vertical or horizontal orientation during installation. (VHF models require light assembly)

APPLICATIONS

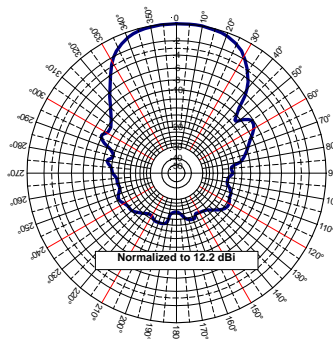
- Point to point directional and multiple point to omnidirectional outdoor antennas applications used by private organizations and government agencies around the globe.
- Typical applications include transportation such as railroad switching, remote locations reporting examples that include oil fields and weather conditions and meter data transmissions for utilities.

MECHANICAL SPECIFICATIONS

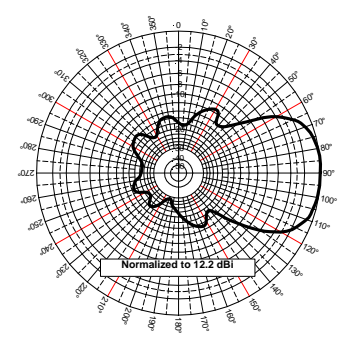
| | |
|----------------------|--|
| Material | Aluminum |
| Length | 44-1/4" |
| Height | 14-5/8" |
| Boom Diameter | 7/8" |
| Weight | NA |
| Rated Wind Velocity | 150mph (241kph) |
| Equivalent Flat Area | 0.48115 sq. ft. |
| Cable | None |
| Termination | N-Female connector |
| Color | Silver Only for YS Series |
| Lightning Protection | Lightning Arrestor LABH350NN (Sold Separately) |
| Mounting | Yagi mounting Kit for 7/8" boom |

ELECTRICAL SPECIFICATIONS

| | |
|--|------------------------|
| Frequency Range | 406-430 MHz |
| VSWR | < 2:1 |
| Return Loss | -10dB max |
| Nominal Gain | 12.2 dBi |
| Front to Back Ratio | 20dB |
| Maximum Power | 300 W |
| Nominal Impedance | 50Ω |
| Polarization | Vertical or Horizontal |
| Pattern | Directional |
| Horizontal Beamwidth (For Horizontal Polarization) | 58° |
| Vertical Beamwidth (For Vertical Polarization) | 67° |
| Tuning | Fixed Tune |
| Transmitting/Receiving | Both |



Elevation Pattern (Y, Z or H-Plane) Representation Pattern



Azimuthal Pattern (X, Y or E-Plane) Representation Pattern

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<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

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