



Y(S)8063

Directional Yagi Antennas 809-896 MHz

Laird Connectivity's Silver Series Yagi antennas represent great value while featuring the same great optimized design and plated brass connector found on premium gold series models. Each Yagi is factory tuned on a network analyzer for best power match and lowest VSWR, offering the best possible performance every time. All antennas ship complete with a mounting kit that includes stainless steel hardware.

FEATURES AND BENEFITS

- All 450 MHz and higher frequency models are delivered fully assembled
- All radial elements are secured to the boom with stainless steel hardware to prevent corrosion
- Every Yagi is tuned on a network analyzer for best power match and lowest VSWR
- All antennas ship complete with a mounting kit that includes stainless steel hardware

APPLICATIONS

- Point-to-point and multi-point/ omnidirectional outdoor antenna 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, weather conditions and, meter data transmissions for utilities

ELECTRICAL SPECIFICATION

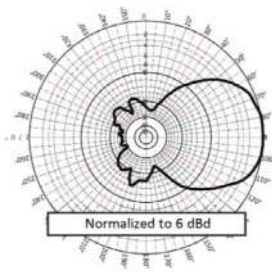
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|---------------------------------|-------------|
| Model Name | Y(S)8063 |
| Operating Frequency (MHz) | 809-896 |
| VSWR | < 2:1 |
| Return Loss - max (dB) | -10 |
| Gain (dBd) | 6.0 |
| Front-to-Back Ratio (dBd) | 15 |
| Max Power - Ambient 25°C (W) | 300 |
| Nominal Impedance (Ohms) | 50 |
| Polarization | Vertical |
| Pattern | Directional |
| Horizontal Plane 3 dB Beamwidth | 89° |
| Vertical Plane 3 dB Beamwidth | 65° |
| Tuning | Fixed |
| Transmitting/Receiving | Both |

MECHANICAL SPECIFICATION

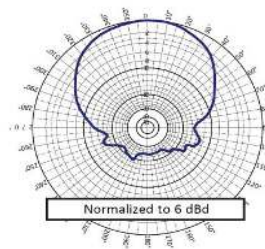
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|----------------------------------|--|
| Dimensions - L x H - cm (inches) | 42.55 x 18.42 (16-3/4 x 7-1/4) |
| Boom Diameter - cm (inches) | 2.22 (7/8) |
| Weight - kg (lbs.) | 0.79 (1.75) |
| Cable Type | N/A |
| Connector | N-female |
| Color | Bright dipped aluminum |
| Lightning Protection | Lightning arrestor - LABH350NN (sold separately) |
| Mounting Kit (included) | Yagi mounting kit for 7/8-inch boom |

ENVIRONMENTAL SPECIFICATION

| | |
|---|------------------------------|
| Operating Temperature - °C (°F) | -50 to +85°C (-58 to +185°F) |
| Rated Wind Velocity - km/hr (mph) | 241 (150) |
| Equivalent Flat Area - sq. km (sq. ft.) | 1.42 (0.1516) |



Vertical-to-Vertical
Polarization Azimuthal
Pattern (Y, Z, or E-plane)



Horizontal-to-Horizontal
Polarization Azimuthal
Pattern (Y, Z, or H-plane)

TE TECHNICAL SUPPORT CENTER

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