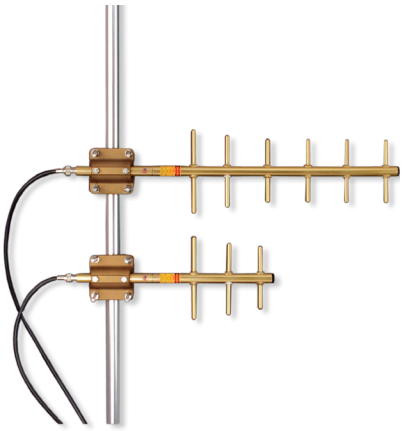
Laird
Smart Technology. Delivered.

# DIRECTIONAL YAGI ANTENNAS
## Y(B)8063



## GOLD SERIES DIRECTIONAL YAGI ANTENNAS PROVIDE INDUSTRY-LEADING DESIGN FEATURES WITH LONG TERM OPTIMAL PERFORMANCE

Laird's premium series directional Yagi antennas are fully gold anodized for corrosion resistance. All UHF and above frequency antennas feature internal matching to assure broad bandwidth and resistance to severe weather conditions. There is no gamma match to ice up, corrode or detune. Our engineering staff has optimized the product family for forward gain by computer analysis and then field-tested each for conformance.

### FEATURES AND BENEFITS:

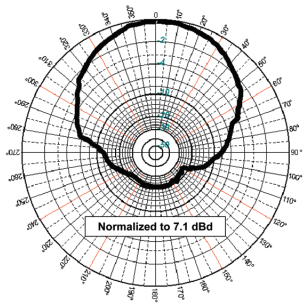
- All UHF and higher frequency antennas feature 360° welds around each element and an end-of-boom N connector feed with an internal transmission line feeding the driven element.
- Every Yagi is tuned on a network analyzer for best power match and lowest VSWR.
- All Yagi antennas ship complete with a 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:

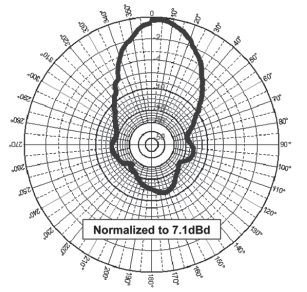
- Point-to-point and multi-point / omnidirectional outdoor antennas applications used by private organizations and government agencies around the globe.
- Typical applications include transportation such as railroad switching, remote locations reporting examples that include oil fields, weather conditions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

| Electrical | |
|---|---|
| Frequency Range | 806 – 896 MHz |
| Gain | 6 dBd |
| Front - Back Ratio | 15 dBd |
| Maximum Power | 500 W |
| Input Impedance | 50 ohms |

| Mechanical | |
|---|---|
| Elements | 3 |
| Element Material | 3/8” Diameter solid 6061-T6 aluminum rod |
| Boom Element | Heat treated 6061-T6 aluminum tube |
| Assembly | Fully welded |
| Length | 16 3/4 inches |
| Shipping | All models are UPS shippable |
| Mounting | Up to 2 inch mast |
| Hardware | Stainless steel |
| Termination Type | N female at the end of the boom |
| Lightning Protection | DC grounded |
| Rated Wind Velocity | 100 MPH |




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




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

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