



Directive Systems & Engineering

2702 Rodgers Terrace
Haymarket, VA 20169-1628

www.directivesystems.com

703-754-3876

915 MHz Loop Yagi, Model DSE3333LYA

SPECIFICATIONS

Frequency Range:	910-930 MHz
Number of elements:	33
Boom Length:	144 inches
Boom diameter:	1 inch
Mast diameter:	1 1/2 inch max.
Weight:	5 pounds
Connector:	Type N female
Gain:	18.5 dBi
3 dB Beamwidth (E Plane) :	=20°
F/B ratio:	>20 dB
Maximum Power:	550 W. average
Stacking distance:	30 inches vertical 33 inches horizontal

ASSEMBLY INSTRUCTIONS

- 1) Unpack antenna and locate the two preassembled antenna sections and the hardware package. The boom is broken between elements D16 and D17. Remove D16 from the boom piece and slide boom pieces together to alignment marks. Replace D16 and retighten. The booms are marked for your assembly.
- 2) Attach the boom to mast plate to the boom with the hardware provided. Install the U-bolts so that the mast comes up directly under the boom.
- 3) Attach the feed line, and tape it to the bottom of the boom. The connector should be sealed with electronic grade RTV or equivalent. Don't forget to seal the area where the .141" semi rigid coaxial cable extends into the rear of the antenna connector.
- 4) Straighten any misaligned elements and tighten hardware if necessary.
- 5) The antenna SWR has been adjusted at the factory for less than 1.5:1. Additional tweaking can be accomplished by adjusting the distance between the driven element and R1 and D1, or by adjusting the shape of the driven element.
- 6) If antennas are to be stacked, see "Instructions for Stacking Loop Yagis". An additional 2.5 dB gain is easily obtained by correctly combining a second similar antenna.

Directive Systems Warranty Policy

All Directive Systems antennas are built with the finest materials available. We take great pride in building a quality product that will give years of good service and performance. If there is a defect in materials or workmanship within 90 days of purchase, Directive Systems will repair or replace, free of charge, the defective part. **DO NOT RETURN ANYTHING WITHOUT PRIOR AUTHORIZATION FROM DIRECTIVE SYSTEMS.** Please contact us either by phone or email describing the problem and we will work to resolve it. If, after examining a new antenna you received, you are not satisfied, contact us immediately for return authorization and refund. **ANY ANTENNA THAT HAS BEEN MODIFIED WILL BE SUBJECT TO A RESTOCKING CHARGE. IF AN ANTENNA IS SO MODIFIED AS TO MAKE IT UNUSABLE, DIRECTIVE SYSTEMS RESERVES THE RIGHT TO REFUSE TO ACCEPT THE ANTENNA FOR RETURN.**