Increased VOR/LOC range and minimized bearing errors can be achieved with any airborne VOR receiver through the use of these N4-7, N4-8.

Each N4 system utilizes two center-fed, half-loops and a cable harness, enabling “closed loop” current flow. This provides better signal-to-noise ratios and higher rejection of cross-polarized signals. In terms of system performance, this means that smaller signals can be received and bearing errors, particularly those induced by banking, are greatly reduced.

The loop halves are horizontally mounted on opposite sides of the aircraft, normally on the vertical stabilizer.

These rugged antennas have been selected and service proven on such aircraft as the Lockheed Jet-star, P-3A, and C-141 Starlifter, Bell UH1B helicopter, Sikorsky H34 helicopter, Convair 340, Aero Commander, North American Sabreliner, Douglas DC-3, Beech King Air and many other corporate and commercial aircraft.

### Specifications for: N4-7 and N4-8 High Sensitivity Balanced Loop Antennas for VOR/LOC Reception

#### Electrical
- **Frequency Range**: 108 – 122 MHz
- **VSWR**: <5.0 to 1
- **Gain (Rel to Isotropic)**: 0 ± 2 dB
- **Impedance**: 50 Ohms
- **Polarization**: Horizontal
- **Efficiency**: 95%
- **Power Handling**: Receive Only

#### Mechanical
- **Connector**: BNC
- **Weight**: 4.2 lbs

#### Environmental
- **Military**: MIL-E-5400, MIL-T-5422, MIL-F-17555, MIL-T-18303, MIL-T-18307
- **FAA**: TSO-C40a

All data contained herein is subject to change without notice.
For additional information E-mail: antenna.info@harris.com
N4-7 and N4-8 High Sensitivity Balanced Loop Antennas for VOR/LOC Reception

INCHES (CENTIMETERS)

Consult with factory for mounting specifications.