



L3HARRIS™
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N4-7 AND N4-8 HIGH SENSITIVITY BALANCED LOOP ANTENNAS FOR VOR/LOC RECEPTION

Increased very high frequency omnidirectional radio range localizer (VOR/LOC) range and minimized bearing errors can be achieved with any airborne VOR receiver using N4-7 and 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 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 an aircraft such as the Lockheed Jet-star, P-3A and C-141 Starlifter, Bell UH-1B helicopter, Sikorsky H-34 helicopter, Convair 340, Aero Commander, North American Sabreliner, Douglas DC-3, Beech King Air and many other corporate and commercial aircraft.



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

KEY FEATURES

- > Antenna system consists of two half-loop elements and a cable harness
- > Integrates with most airborne VOR receivers
- > Rugged design ideal for military and commercial applications
- > Federal Aviation Administration qualified (TSO-C40a)

For further details and specifications, contact the factory at antenna.info@L3Harris.com

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

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Nonexport-controlled Information

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.



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