



L3HARRIS™
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N4-15 AND N4-33 LOW DRAG, BALANCED LOOP, VOR/LOC ANTENNA

The N4-15 and N4-33 antennas are designed for use on high-performance aircraft where aerodynamic drag and component weight must be held at a minimum. These systems provide increased range and reduced bearing error not possible with dipole type installations. Rugged metal edges provide erosion resistance; flush fiberglass housings ensure smooth airflow and reduced drag; and each assembly is foam-filled for maximum reliability. The N4-15 is primarily intended for new aircraft installations but can be installed as a retrofit when dual-antenna capability is required. The N4-33 is intended for retrofit, or antenna modifications, on existing aircraft and is designed for ease of installation. Dual-antenna capability can be obtained with a Hybrid Coupler (H21 series).

| ELECTRICAL | |
|--------------------|---|
| Frequency range | 108–118 MHz |
| VSWR | 5:1 max |
| Impedance | 50 ohms |
| Polarization | Horizontal |
| Radiation patterns | Omnidirectional in the azimuth plane, approx. cos q in the vertical plane |
| Power handling | Receive only |
| MECHANICAL | |
| Connector | |
| N4-15 | TNC |
| N4-33/C | BNC |
| N4-33/D | TNC |
| Weight | |
| N4-15 | 5.5 lbs |
| N4-33 | 5.2 lbs |
| Construction | Erosion resistant metal edged fiberglass housing, foam filled with leading and trailing edge erosion protection |
| ENVIRONMENTAL | |
| FAA | TSO-C40A |



KEY FEATURES

- > Very high frequency omnidirectional radio range localizer (VOR/LOC) antenna designed for high performance aircraft
- > Rugged design to ensure reliability in severe environments
- > Variants can be utilized for new aircraft install or retrofit applications
- > External coupler available to operate dual-use capability

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

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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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