



L3HARRIS™
FAST. FORWARD.

NI24 AND NI29 SERIES L-BAND ANTENNA

These L-band blades use a new concept of antenna design and manufacture, which makes them ideal for commercial and military applications. The radiating element is encapsulated in an epoxy dielectric body by a transfer molding process. This simple, low-cost design has several notable advantages including:

- > Moisture proof during direct immersion or by extended exposure to high-humidity conditions.
- > Rugged design with encapsulated radiating element and interlocked base and dielectric cover/element assembly features.

The antennas have been used with various equipment such as distance-measuring equipment, identification friend or foe, tactical air navigation systems, telemetry and beacon. The NI29-15, NI29-19 and NI29-18 have been designed to provide ideal performance for various flight-fone systems. Extremely broad frequency bands are provided within the overall 500-2,000-megahertz range. Some models are provided with a BNC female test probe for preflight checkout.

| ELECTRICAL | |
|--------------------------------------|---|
| Frequency range | Selected frequencies within 500-2,000 MHz |
| VSWR | Less than 5:1 |
| Gain | Typically within 0.5 dB of a matched $\lambda/4$ stub |
| Polarization | Vertical |
| Radiation patterns | Consult with factory |
| DC resistance | All versions are DC open designs except the NI24-19 and NI29-11 NI29-22-1, NI29-23-1 blades which are DC shorted. |
| Power handling | 100 W avg, 4.0 kW peak |
| MECHANICAL | |
| Weight | 6 oz. |
| (with test probe) | 8 oz. |
| ENVIRONMENTAL | |
| Drag | |
| Sea level, Mach 0.5 | 13 oz. |
| Sea level, Mach 0.8 | 30 oz. |
| Military (with test probe) | MIL-E-5400 MIL-A-7272 MIL-G-5272 MIL-A-25708 |
| ARINC | |
| (DME) | 521 DV |
| (ATC transponder) | 532 D |
| FAA | |
| (DME) | TSO-C66 |
| (ATC transponder) | TSO-C74 ENV. CAT. ABAXXXCL1 |
| N129-14 TSO | TSO-C66 TSO-C74 ENV. CAT. ABAXXXCL1 |



KEY FEATURES

- > High-temperature transfer molded radome
- > Multiple connector options
- > 4 and 6 mounting hole configurations
- > 500 to 2,000-megahertz frequency coverage

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

NI24 and NI29 Series L-band Antenna

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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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