



# NI7/NI84 L-BAND FLUSH ANTENNA

The NI7 Series of L-band annular slot antennas is the result of 50 years of continuous experience in the design and production of this type of antenna. Moisture proofing ensures that NI7 antennas will not fail because of the condensation, which is inevitable with aircraft. Each unit is sealed and plastic foam filled. All materials have been carefully selected and isolated to prevent galvanic corrosion. Cabin pressurization is not jeopardized. The NI7 antennas will withstand 25 pounds per square inch when suitably gasketed. Their rugged construction ensures that they will not be adversely affected by the most severe vibrations encountered in flight. The NI7 Series is designed to be adaptable. Connector position and type, as well as mounting surface curvatures are available to fit most aircraft currently in use.

| ELECTRICAL                                    |  |
|---|--|
| Frequency range                               | 960-1,220 MHz  |
| VSWR  |  |
| 960 – 1,220 MHz                               | 1.5:1  |
| (From 1,030 – 1,090 MHz)                      | 1.4:1  |
| Impedance                                     | 50 ohms  |
| Polarization                                  | Vertical   |
| Power handling                                | 4 kW peak, 100 W avg   |
| MECHANICAL                                    |  |
| Connector                                     | Type C   |
| Available on other models                     | Type HN, N   |
| Weight  | 21 oz  |
| ENVIRONMENTAL                                 |  |
| Aero drag                                     | 0  |
| Corrosion resistance                          | Impervious to Skydrol hydraulic fluid or other normal corrosive aircraft fluids. |
| ARINC   | ATC Transponder 532 D<br>(DME) 521 D   |
| Military<br>Immersion tested to AT-720/A only | MIL-E-5400<br>MIL-T-5422C<br>MIL-E-5272A<br>MIL-A-256612                         |
| FAA   | (ATC Transponder TSO-C74<br>(DME) TSO-C66  |



## KEY FEATURES

- > Conformal design with zero drag
- > Flat and curved models
- > Connector options available

For further details and specifications, contact the factory at [antenna.info@L3Harris.com](mailto:antenna.info@L3Harris.com)

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