



L3HARRIS™
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N9 SERIES LOCALIZER/VOR/GLIDE SLOPE ANTENNA

L3Harris' N9 Series Antenna provides a dual-band design for both localizer, VHF Omnidirectional Radio Range Localizer (VOC) and glide slope systems for installation within nose radomes on high-performance aircraft. The design incorporates common radiating elements into a single monolithic structure for mounting on a bulkhead within a radome or to the radome directly. The antenna is designed with the radiating elements attached to a single curved dielectric window to provide support. In some cases, reinforcing ribs provide structural rigidity and mounting adaptability to the bulkhead for mechanical attachment and electrical grounding to the airframe.

The N9 Series has been designed to conform to radome curvatures providing minimum installation area and access for radar installations. Simultaneous localizer and glide slope signals will be provided for single receiver installations. When dual receiver installations are used, appropriate couplers are available for dual localizer and dual glide slope receiver operation.

The N9 Series is a balanced bent-back dipole antenna, which renders it immune from the nose radar motion. In addition to excellent localizer and glide slope patterns, many users utilize the localizer output for forward-looking VOR as well. Some users prefer this concept but require glide slope. In this case, the N1 antenna satisfies this need perfectly. It too, mounts in the nose radome, but is less than half the width of the N9 Series.



KEY FEATURES

- > Novel, conformal radome mount design
- > Reduced maintenance cost
- > Low profile
- > Lightweight

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

PARAMETER	SPECIFICATION
Electrical	
Frequency range	
Localizer/VOR	108 – 118 MHz
Glide slope	328.6 – 335.4 MHz
VSWR	<5.0:1 (immune to detuning from radar motion)
Polarization	Horizontal
Radiation patterns	Single broad lobe forward of aircraft
Power handling	Receive only
Mechanical	
Connector	See Table 1
Mounting	On inner surface of nose radome or bulkhead within radome
Weight	<2.0 lbs (0.9 kg)
Environmental	
Weight	MIL-E-5400

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