



**L3HARRIS™**  
FAST. FORWARD.

## SE100 SERIES GPS/TELEMETRY NOSECONE ANTENNA SYSTEM

Our standard ultra-high frequency (UHF)/L-band blade has been modified to include very high frequency (VHF) performance. By incorporating new, state-of-the-art matching techniques, we can provide higher antenna gain in an 8-inch antenna package than previously available in 9-inch antenna designs. This results in increased system range along with decreased drag and weight. The antenna is composed of a high-strength fiberglass housing and an aluminum-base casting to withstand the severe supersonic environment. Integral and remote diplexer configurations are available. The total system is designed, manufactured and tested by L3Harris. The system is qualified for A-6, A-10, F-14, F-15, F-16, F-18, F-111 and most other aircraft. It is compatible with standard radios for VHF-FM, VHF-AM, DME, IFF, TACAN and ARC 182/186 performance.

ELECTRICAL		
	GPS	Telemetry
Frequency range	L1, or L1 AND L2	See table 1
VSWR	2.0:1	2.0:1
Gain	0 dBic typical	0 to -3 dBi typical
Impedance	50 ohms	50 ohms
Polarization	RHCP	LHCP or linear (model dependent)
Pattern	Hemispherical	Omnidirectional
MECHANICAL		
Dimensions	Consult with factory	
Weight	20 – 25 pounds (complete nosecone)	



### KEY FEATURES

- > Multifunction GPS and telemetry capability (VHF/UHF/L-band)
- > Rugged design to meet the most stringent environments
- > Remote diplexer configurations available
- > Ideal for fixed-wing applications

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

#### SE100 Series GPS/Telemetry Nosecone Antenna System

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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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