



L3HARRIS™
FAST. FORWARD.

CNI14 SERIES VHF/UHF/L-BAND ANTENNA SYSTEM

L3Harris modified the standard UHF/L-Band Blade to include VHF performance. State-of-the-art matching techniques allow higher antenna gain than previously available in 9-inch antenna designs in an 8-inch high antenna package. 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. Both integral and remote diplexer configurations are available.

L3Harris built upon decades of experience producing high-performance aircraft products used around the world to produce the CNI14 Series. The antenna 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.



PARAMETER	SPECIFICATION	
Electrical		
Frequency range	30-400 MHz 960-1220 MHz	
VSWR	2.0:1 max	
Gain	30-88 MHz 108-174 MHz 225-400 MHz 960-1220 MHz	(-)42 dBi (-)15 dBi Similar to 1/4 stub Similar to 1/4 stub
Impedance	50 Ohms	
Isolation	Internal Diplexer External Diplexer	50 dB min 85 dB min
Mechanical		
Connectors	TNC, SC, N	
Weight	32 oz. (1kg.)	
CNI14-18-1 finish	MIL-PRF-85285, Color 36118 (Gray) per FED-STD-595	
Environmental		
DO-160C cater	MIL-E-5400	

KEY FEATURES

- > Increased system range
- > Decreased drag, weight
- > Both integral and remote diplexer configurations

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

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Approved for Public Release 4-2004 | EAID EXPID04-S-0873

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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