



L3HARRIS™
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N79-3 CONTROLLED RECEPTION PATTERN ANTENNA (CRPA)

CUTTING-EDGE TECHNOLOGY

L3Harris' N79-3 represents the state-of-the-art in CRPAs for use with anti-jam GPS systems. It has been developed to operate with all next-generation, digital, beamforming, electronics while still providing backward compatibility for GPS Anti-jam Systems (GAS-1).

The N79-3 is a seven-element design and when used with appropriate seven-channel beamformers, will provide jamming resistant GPS reception through a combination of null forming and beam steering. Each of the antenna elements within the N79-3 provides independent right-hand circularly polarized (RHCP) pattern performance and is M-code compliant.

The N79-3 has been designed for flight operations on a wide range of aircraft up to and including supersonic strike aircraft. A one-piece, structurally reinforced, molded radome provides exceptional resistance to high vibration and acoustic noise levels while providing the homogeneity required for consistent antenna element-to-element tracking (ensuring maximum null depths).

The N79-3 is the antenna of choice for next-generation anti-jam GPS systems and has proven fully compatible with all beamforming electronics with which it has been tested.

ELECTRICAL	
Frequency range	L1 1575.42 ± 12.0 MHz L2 1227.2 ± 12.0 MHz
VSWR	1.5:1
Gain	> -3.5 dBic over 95% of the 80° to 0° elevation sector
Impedance	50 ohms
Polarization	RHCP
Bandwidth	±12 MHz
Power	Receive only
MECHANICAL	
Connector	6 SMA, 1 TNC
Weight	8.0 lbs
ENVIRONMENTAL	
Military	MIL-STD-810

All data contained herein is subject to change without notice. (Consult with factory for mounting specifications.)



KEY FEATURES

- > Seven-element, L1, L2 with M-code bandwidths
- > Excellent element repeatability
- > Lightning protected versions available
- > Designed for Advanced Digital Antenna Production; (GAS-1) backward compatible

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

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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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