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AM-457

CAVITY-BACKED SPIRAL ANTENNA

L3Harris' AM-457 is a planar, cavity-backed spiral antenna operating from 2-18 gigahertz. Left-hand circular polarization is standard, but right-hand circular polarization is available as well. This antenna is ideally suited for electronic support measure applications due to its unit-to-unit uniformity and broadband frequency characteristics.

ELECTRICAL	
Frequency range	2.0-18.0 GHz
VSWR	3.0:1 nom
Gain	+1.0 dBli nom
Gain tracking	±1.0 dB on axis
Beam width (3 dB)	75° typ
Polarization	LHCP or RHCP available
Axial ratio boresight ±45°	≤1.5 dB ≤2.0 dB
Squint	±6° max
Power handling	1 W CW
MECHANICAL	
Connector	Precision TNC female, 40° to boresight
Weight	5.8 oz. max
Finish	Semi-gloss black enamel, color no. 27038
Design specification	70,000 ft altitude
Option	LHCP or RHCP available



KEY FEATURES

- > Integrated radome for added protection
- > Ruggedized radar warning receiver application
- > Designed specifically for high-speed aircraft
- > Meets 90 g-force shock and vibration requirements

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

AM-457 Cavity-Backed Spiral

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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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