



L3HARRIS™
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AM-448

CAVITY-BACKED SPIRAL ANTENNA

L3Harris' AM-448 is a planar, cavity-backed, spiral antenna operating from 2-18 gigahertz. Left-hand circular polarization is standard, but right-hand circular polarization is also available. This antenna is ideally suited to electronic support measure applications due to its unit-to-unit uniformity and broadband frequency characteristics.

The AM-448 antenna can be amplitude tracked on a 100% basis versus factory standards, ensuring interchangeability at the system level. This characteristic makes the AM-448 antenna an ideal element for array and direction-finding applications. Integrated radomes offer element protection and meet high-velocity rain impact specifications.



KEY FEATURES

- > Designed for high-pressure applications
- > Broad frequency range
- > Phase and amplitude tracking
- > Stainless steel housing

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

ELECTRICAL	
Frequency range	2.0-18.0 GHz
VSWR	2.0-3.0 GHz 3.5:1 3.0-18.0 GHz 3.0:1 max
Gain	+1.0 dBli nom
Gain tracking	In sets of 5 antennas, ±1.0 dB from 2.0 – 18.0 GHz on axis
Beam width (3 dB)	75° nom
Polarization	Circular, LHCP or RHCP available
Axial ratio boresight	≤2.0 dB
±45°	≤2.0 dB
Squint	±6°
Power handling	1 W CW
MECHANICAL	
Connector	SMA female at 40° angle to boresight
Weight	1 lb 7 oz.
Finish	Exterior of antenna made from no. 316 stainless steel, except for radome, connector and hardware
Option	LHCP or RHCP available

AM-448 Cavity-Backed Spiral Antenna

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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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