



**L3HARRIS™**  
FAST. FORWARD.

## Q211 SERIES SPIRAL ANTENNA

L3Harris' Q211 Series are planar, cavity-backed spiral antennas, operating from 2-10 gigahertz. Left-hand circular polarization (LHCP) is standard, but right-hand circular polarization (RHCP) is available as well. The antennas are ideally suited to interferometer applications due to their unit-to-unit uniformity and broadband frequency characteristics.

The Q211 Series antennas are amplitude and phase tracked on a 100% basis as matched sets, ensuring interchangeability at the system level. In addition, the axial ratio is extremely low (considering the low frequency cutoff versus the nominal 3-inch diameter of the antenna) over most of a hemisphere. Together, these characteristics make the Q211 Series of antennas an ideal element for array and direction-finding applications.

ELECTRICAL	
Frequency range	2.0-10.0 GHz
VSWR	2.0:1 nom, 3.0:1 max
Gain	See graph
Polarization	
Q211-1-1	LHCP
Q211-2-1	RHCP
Phase tracking	Per customer request
Beamwidth	80° nom
Axial ratio boresight	3 dB max
Beam squint	± 5° max typical
Power handling	1 W CW
MECHANICAL	
Connector	SMA
Weight	0.35 lbs max
Finish	Natural



### KEY FEATURES

- > Supports electronic support measures and radar warning receiver applications
- > Very lightweight aperture (6 ounces)
- > 2-10 gigahertz frequency coverage
- > RHCP or LHCP options

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

#### Q211 Series 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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1025 W. NASA Boulevard  
Melbourne, FL 32919