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SE131 SERIES ANTENNA ARRAY

L3Harris' SE131 Series Antenna Array provides a very high degree angle-of-arrival accuracy for today's receivers. The SE131 interferometer array panel uses Q189 spiral antennas in individual right- and left-hand circular polarization (RHCP/LHCP) sub arrays. An integrated radio frequency (RF) module provides preamplification, filtering and switching for direct interface to a receiver. The switches allow operation of either the RHCP or LHCP sub arrays or a calibration path. The RF modules are operated by a RS422 controller, which also stores calibration data.

The SE131 has been designed to meet the stringent requirements of today's manned and unmanned military platforms.

ELECTRICAL	
Frequency range	2.0 to 18.0 GHz
VSWR	2.0:1
Gain	-6.6 - 0 dBiL typical
Polarization	RHCP/LHCP switchable
Azimuth	±45°
Phase tracking	6-7 degrees RMS typical
Electronic gain	28 dB (typ)
Electronic noise figure	8 dB
1 dB compression	+20 dBm
IP3	+25 dBm (typ)
Power handling (DC voltage)	28 VDC / 25 watts
MECHANICAL	
Connector	RF: SMA female Power: D38999 Control: D38999
Command signal	RS422
Dimensions (in/cm)	16.0W x 7.0H x 5.25D (40.64 x 17.78 x 13.21)
Weight	9.5 lbs
ENVIRONMENTAL	
Finish	MIL STD 810F



KEY FEATURES

- > Broadband frequency coverage
- > Contains both LHCP and RHCP sub arrays
- > Ability to store calibration data
- > Ideal for manned and unmanned military platforms

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

SE131 Series Antenna Array

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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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