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# **AS-48530**

## **WIDEBAND CIRCULARLY POLARIZED SPIRAL ANTENNA**

The AS-48530 is a small, lightweight, wideband, circularly polarized, cavity-backed spiral antenna covering the 8 to 40 gigahertz frequency range. This antenna demonstrates excellent high frequency performance: over 2 octave bandwidth (8 to 40 gigahertz) and near constant beamwidth and gain over the operational band. Precision construction and the use of dielectric connectors, which prevent high frequency moding, contribute to the excellent operating capabilities of the AS-48530 Antenna.

Swept frequency gain plots have been measured on a typical antenna. The antenna under test was illuminated with rotating linear polarization.

It is available in either right-hand or left-hand circular polarization. Please specify one or the other when ordering.

ELECTRICAL	
Frequency range	8 to 40 GHz
VSWR	3.5:1
Gain	-1.0 dBi min
Polarization	RH or LH circular
Beamwidth (3 dBi)	75° nom
Axial ratio	1.0 dB avg
MECHANICAL	
Connector	SMA female
Weight	0.3 oz.



### KEY FEATURES

- > Over 2 octave bandwidth spiral
- > Near constant gain and beamwidth
- > Small and lightweight

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

#### AS-48530 Wideband Circularly-Polarized Spiral Antenna

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