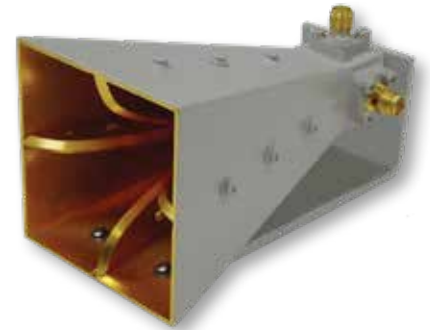




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# AS-48440 QUAD-RIDGED HORN ANTENNA

The AS-48440 Dual-Polarized Quad-Ridged Horn Antenna provides high-gain directional radiation patterns over a wide frequency band. This pyramidal horn has two orthogonally placed input feeds which provide the capability for simultaneous horizontal and vertical polarization. With the addition of an optional 90° hybrid, selectable right- or left-hand circular polarization. This antenna is ideally suited for feeding high gain, long focal length, reflectors for surveillance and direction-finding applications. It is also designed for application as a primary radiator and is capable of handling 10 W CW and 0.75 kW peak radio frequency power for transmitting applications.



ELECTRICAL	
Frequency range	8.0 - 26.0 GHz
VSWR	3.0:1 (nominal)
Gain	8 - 14 dBiL (typical)
Polarization	Simultaneous horizontal and vertical Simultaneous RHCP and LHCP w/90° hybrid
Beam width	
E-plane	60°- 30° (typical)
H-plane	70°- 20°
Cross polarization	-20 dB (nominal)
Front to back ratio	20 dB
Power handling	10 W CW, 0.75 kW peak
MECHANICAL	
Connector	SMA female
Weight	1.0 lbs/0.5 kg

## KEY FEATURES

- > High gain, directional patterns
- > Simultaneous dual linear polarization
- > 10 watts RF power handling
- > Test, surveillance, and direction-finding applications

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

### AS-48440 Quad-Ridged Horn Antenna

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Nonexport-controlled Information

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