

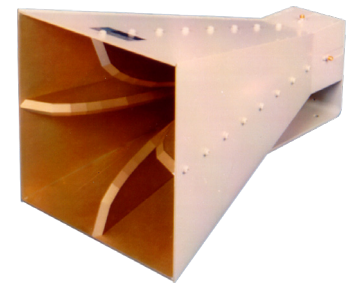


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AS-48410 QUAD-RIDGED HORN ANTENNA

The AS-48410 dual-polarized, quad-ridged horn antenna provides high-gain directional patterns over a multioctave bandwidth. This pyramidal horn has two orthogonally placed input feeds. These provide the capability for simultaneous horizontal and vertical polarization and, with the addition of an optional 90-degree 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 40 watts of radio frequency (RF) power for transmitting applications.

ELECTRICAL	
Frequency range	0.75-4.5 GHz
VSWR	3.0:1 (nominal)
Gain	7-13 dBli
Polarization	Simultaneous horizontal and vertical Simultaneous RHCP and LHCP w/90° hybrid.
Cross polarization	-20 dB (nominal)
Beamwidth	Consult with factory
Power handling	40 W CW (maximum) 3.0 kW Peak
MECHANICAL	
Connector	SMA female
Weight	6.0 lbs/7.278 kg



KEY FEATURES

- > Multioctave frequency bandwidth
- > Simultaneous dual linear polarization
- > Power handling of up to 40 watts continuous wave for RF transmit applications
- > Ideal for test, direction-finding, and intelligence, surveillance and reconnaissance type platforms

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

AS-48410 Quad-Ridged Horn Antenna

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