

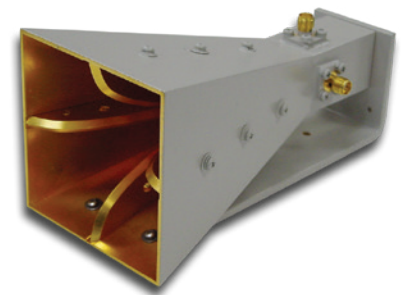


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AS-48425 QUAD-RIDGED HORN ANTENNA

The AS-48425 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. 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 10 watts continuous wave and 0.75-kilowatt peak radio frequency (RF) power for transmitting applications.

ELECTRICAL	
Frequency range	1 to 18 GHz
VSWR	2.25:1 max
Gain	6 to 8 dBi nom
Polarization	Linear
Beamwidth	
E-plane	60°- 35° (typical)
H-plane	65°- 50° (typical)
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	3.0 lbs/1.36 kg



KEY FEATURES

- > High-gain directional patterns
- > Simultaneous dual linear polarization
- > Power handling of up to 10 watts continuous wave for RF transmit applications
- > Ideal for test, direction-finding or intelligence, surveillance and reconnaissance type platforms

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

AS-48425 Quad-Ridged Horn Antenna

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