



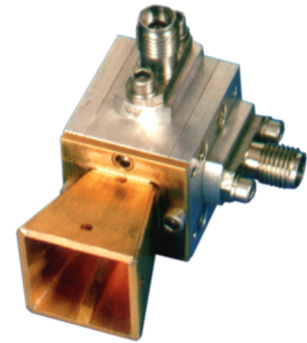
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AS-48455 DUAL-POLARIZED QUAD-RIDGED HORN ANTENNA

The AS-48455 Dual-Polarized Quad-Ridged Horn Antenna provides medium-gain directional radiation patterns over an extended-octave bandwidth at millimeter-wave frequencies. This pyramidal horn has two orthogonal input ports through which simultaneous horizontally and vertically polarized modes are generated. With the inclusion on a 90° hybrid at the horn terminals, both right- and left-hand circular polarizations are simultaneously available.

This antenna is designed as an individual primary radiator or as an array element. The AS-48455 horn is also ideally suited for illuminating high-gain reflectors for surveillance and direction-finding systems.

ELECTRICAL	
Frequency range	18 - 40 GHz
VSWR	3.0:1, over 90% BW
Gain	7 dBi to 11 dBi
Polarization	Dual linear
Beamwidth	65° to 25°
Power handling	1W CW
MECHANICAL	
Connector	K
Weight	0.6 pounds (0.29kg)



KEY FEATURES

- > Millimeter wave frequency bands
- > Simultaneous dual linear polarization
- > Test, surveillance, and direction-finding applications

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

AS-48455 Dual-Polarized Quad-Ridged Horn Antenna

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Nonexport-controlled Information

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