



L3HARRIS™
FAST. FORWARD.

AS-48955 SERIES OMNIDIRECTIONAL ANTENNA

The AS-48955 Series of omnidirectional antennas are broadband units with rugged construction suitable for aircraft mounting. The polarization is slant linear, which allows equal reception of vertical, horizontal, right-hand and left-hand circular signals. The antennas have null-free toroidal pattern about the azimuth axis. (This type of pattern has a null at 90 degrees to the azimuth plane.) Applications include surveillance, electronic support measures and broadband acquisition in connection with direction-finding systems. The -1 model (Dwg. 754060) includes an integrated erosion shield and protective urethane film, which together provide increased radome life for airborne applications.

ELECTRICAL	
Frequency range	0.5-18.0 GHz
VSWR	3.0:1 typ
Gain (matched polarization)	0 dBi nom
Impedance	50 ohms
Polarization	Slant linear
Beam width	360 in azimuth 20 nom in elevation
Deviation from omni	±8.0 dB max with ±3 dB over 90% of the band type
Power handling	Receive only
MECHANICAL	
Connector	Type BNC female UG-89
Radome	Honeycomb core, vented
Weight	12 lbs (5.4 kgs) nom



KEY FEATURES

- > Lightweight rugged construction
- > Full 0.5 to 18-gigahertz coverage
- > Slant linear polarization
- > Broadband frequency range

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

AS-48955 Series Omnidirectional Antenna

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Nonexport-controlled Information

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.



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