

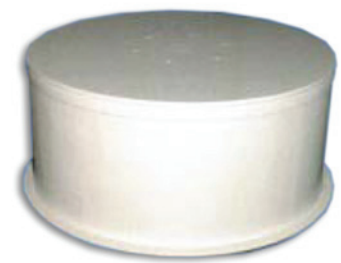


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AS-48989-01 BICONICAL OMNIDIRECTIONAL ANTENNA

The AS-48989-01 Biconical Omnidirectional Antenna is a lightweight, rugged antenna providing coverage of the 0.5-18 gigahertz frequency band. The polarization is slant linear, allowing reception of circular, vertically, and horizontally polarized signals from a single connector. This antenna combines broadband frequency coverage with excellent performance features for an antenna of small physical size. These features include low deviation from omni and excellent response to vertical and/or horizontal polarization signals. The AS-48989-01 is readily adapted to numerous applications including airborne, ship, vehicle, and fixed-site requirements. This model is an improved form/fit/function version of the previous AS-48977 omni antenna.

ELECTRICAL		
Frequency range	1.75 to 2.3 GHz	1.2 GHz to 2.5 GHz
VSWR	1.7:1, max	2.0:1, max
	Frequency	Typical (matched polarization)
Gain	0.5 GHz	-14 dBi
	1 GHz	-5 dBi
	2 GHz	-1.5 dBi
	3 to 18 GHz	+2 dBi
Polarization	Slant linear (will receive vertical, horizontal, circular)	
Deviation from	±1.0 dB	
Elevation beamwidth (typ)	0.5-0.7 GHz	160°
	0.7-1.0 GHz	110°
	1.0-2.0 GHz	60°
	2.0-4.0 GHz	45°
	4.0-8.0 GHz	20°
8.0-18.0 GHz	19°	
Power handling	10 W CW	
MECHANICAL		
Connector	SMA female	
Weight	11 lbs (4.8 kgs)	



KEY FEATURES

- > Broadband frequency coverage (0.5 to 18 gigahertz)
- > Exceptional azimuth ripple
- > Slant linear polarization
- > Ideal for electronic support measure and electronic warfare applications

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

AS-48989-01 Biconical 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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