



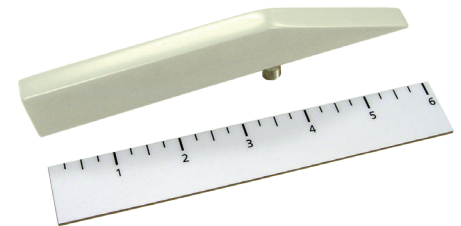
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AS-49052 MONOPOLE BLADE ANTENNA

The AS-49052 was used as the flight termination system blade on the Atlas II Program. The AS-49052 is a tunable monopole blade antenna and is linearly polarized.

It was designed to maintain electrical performance when subjected to hostile environments. The antenna's radiation patterns are dependent on the size and shape of the vehicle and where the antenna is located on the vehicle.

ELECTRICAL		
Frequency range	406 – 549 MHz	
VSWR	2.5:1, Maximum, over a 4 MHz band 1.5:1, Maximum, over a 0.5 MHz band	
Impedance	50 ohms	
Polarization	Linear	
Pattern	Omnidirectional	
MECHANICAL		
Connector	TM female	
Weight	9.6 Ounces (272 gm)	
ENVIRONMENTAL		
Temperature	700° F (371° C) Operating for five minutes 1,500° F (816° C) for 20 to 30 Seconds	
Random vibration		
Duration/Axis	Freq. (Hz)	Amplitude
3.0 Minutes	20-60	+6 dB/octave
	60-160	1.76 g/Hz
	160-200	Slope determined by end points
	200-600	1.32 g/Hz
	600-800	Slope determined by end points
	800-1200	2.933 g/Hz
	1200-2000	-18 dB/octave
Overall	55.09 Grms	
Sine vibration		
BECO - Buzz	Sine (g, 0 to peak)	
X-Axis	Y-Axis	Z-Axis
22	56	18
Sweep rate:	Three seconds per octave, over the range of 50 Hz to 200 Hz	



KEY FEATURES

- > Tunable monopole blade
- > Durable construction
- > Low drag
- > Ideal for space applications

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

AS-49052 Monopole Blade Antenna

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Nonexport-controlled Information

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