



L3HARRIS™
FAST. FORWARD.

C57-1 LOW PROFILE METAL BLADE RADIO TELEPHONE ANTENNA

The C57-1 Antenna has achieved a design breakthrough that has not compromised performance. Previous designs were 6 to 7 inches high and heavier. The C57-1 is only 3.5 inches high and weighs 8 ounces.

The C57-1 operates with all airborne radio telephone systems in the 450–470 megahertz frequency range. Reduced maintenance costs are achieved through the use of this low-profile, all-metal blade as a result of its unequalled mechanical strength and built-in reliability. The C57-1 is currently in use and field proven on business and commercial aircraft. This low-drag antenna has extremely high side-load strength and its construction is completely sealed to prevent damage from moisture, SKYDROL or other contaminants.

ELECTRICAL	
Frequency range	450 – 470 MHz
VSWR	2.5:1 nominal, 3.0:1 max
Less than 2.0:1	454 – 459 MHz
Less than 2.5:1	450 – 470 MHz
Gain	Equal to quarter wave stub
Efficiency	Greater than 85%
Polarization	Vertical
Radiation pattern	Omnidirectional
Power handling	1 watt CW
MECHANICAL	
Connector	N female
Weight	8 oz max (0.22 kg)
Finish	White
Max air speed	0.85 mach
ENVIRONMENTAL	
Temperature range	-65°F to +250°F
Altitude	70,000 ft
Drag	5.5 oz at 25,000 ft at 0.85 mach



KEY FEATURES

- > Low profile
- > Rugged construction
- > High reliability

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

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Non-export-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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