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RF-7850A-AT002

Airborne Antenna

ELECTRICAL	
Frequency Range	225-512 MHz
Impedance	50 Ohms
VSWR	3.0 : 1 maximum
Polarization	Vertical
Radiation Pattern	Omni-directional
RF Power Capacity	150 W
Gain	+1 dBi

MECHANICAL	
Connector	TNC Female

PHYSICAL	
Dimensions	8.75 H x 11.5 W x 3.75 D in (22.2 H x 29.2 W x 9.45 D cm)
Weight	2.5 lbs (1.13 kg)
Finish	CARC Black

ENVIRONMENTAL	
Altitude	50,000 ft above sea level
Impact Shock	30 g
Steady State Acceleration	6 g
Temperature	-65°F to +131°F (-54°C to +55°C) (operational) -80°F to +185°F (-62°C to +85°C) (non-operational)
MIL-STD-810G	Humidity Fixed-wing vibration Rotary-wing vibration Rain Sand and dust Shock Acceleration Salt Fog

The L3Harris RF-7850A-AT002 is a vertically polarized, omni-directional UHF antenna operating within the 225-512 MHz frequency range. Designed for use with the L3Harris RF-7850A Falcon III® Airborne Networking radios, the AT002 is ruggedized for reliability during use on helicopters and subsonic aircraft. This antenna handles up to 150 watts of power, does not require external tuning and is DC grounded to drain static charges.

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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