



L3HARRIS™
FAST. FORWARD.

RF-3187-AT32X

30-2000 MHz Vehicular Multiband Whip Antenna

GENERAL	
Nomenclature	RF-3187-AT32X
Frequency Range	Banded 30–2000 MHz 30 MHz–88 MHz 108 MHz–512 MHz 550 MHz–2000 MHz
Polarization	Linear
Impedance	50 ohm (nominal)
Isolation	> 20 dB
VSWR	< 3.0:1
Gain	30 MHz–88 MHz > -8 dBi 108 MHz–512 MHz > -1 dBi 550 MHz–2000 MHz > 0 dBi
Power Rating	100 W CW

PHYSICAL	
Dimensions	~ 1 in (2.4 cm) diameter x 85 in (2.2 m) long (above mounting plate), 2.5 in below mounting plate
Weight	~ 13 lbs (5.9 kg)
RF Connector	Color coded 30 MHz–88 MHz BNC female (blue) 108 MHz–512 MHz BNC female (green) 550 MHz–2000 MHz Type-N female (red)

ENVIRONMENTAL	
Color	RF-3187-AT320 (green) RF-3187-AT324 (tan)
Mounting	Meets NATO specs Designed and tested to MIL-STD-810F and Oak Beam Test



The RF-3187-AT32X delivers the capabilities of VHF, UHF, and High Band antennas all in a single whip package. Designed for use with L3Harris Falcon III® radios, this multiband solution can be connected to a vehicular amplifier, or directly to L3Harris AN/PRC-117G and RF-7800M-MP manpack systems. Each of the antenna's two center-feed dipoles are designed for maximum radiated energy on the horizon, providing omni-directional coverage without the need for an extensive ground plane. The High Band dipole is located at the whip tip to maximize communications range. The lower antenna covers from 30-512 MHz, which is diplexed to allow two Low Band feeds.

RF-3187-AT32X 30-2000 MHz Vehicular Multiband Whip Antenna

© 2019 L3Harris Technologies, Inc. | 11/2019 SP023

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.



L3HARRIS™
FAST. FORWARD.

1025 W. NASA Boulevard
Melbourne, FL 32919