



L3HARRIS™
FAST. FORWARD.

RF-3143TB-AT32X

Multiband Vehicular Tri-band Antenna

MECHANICAL	
Connector(s)	(1) BNC-type female (1) N-type female
Mounting	NATO bolt hole pattern
ELECTRICAL	
Frequency Range	30-88 MHz, 225-450 MHz, 1200-2000 MHz
VSWR	VHF: <3.5:1 UHF: <3.0:1 L-Band: <3.0:1
Azimuth Power Gain	> -8 dBi 30-88 MHz > -1 dBi 220-450 MHz > +3 dBi 1250-1850 MHz)
Impedance	50 Ohms (nominal)
Polarization	Linear
Power Handling	VHF/VHF: 75 watts L-Band: 50 watts
PHYSICAL	
Height	59.6 in (1515 mm) including base
Weight	8.7 lbs (3.946 kg)
Color/Finish	Base: Black Whip: Green: AT320 Tan: AT324
ENVIRONMENTAL	
Temperature Range	-67°F to +160°F (-55°C to +71°C)
COMPATIBILITY	
RF-7800M-MP Wideband Networking Manpack Radio	
AN/PRC-117G Multiband Networking Radio	
AN/PRC-158 Multi-channel Manpack Radio	



The L3Harris RF-3143TB-AT32X combines three single-band antennas into one multiband solution, with 30-88 MHz, 225-450 MHz and 1200 MHz frequency operational ranges. Components include a black spring base and fiberglass-encased dipole radiator that installs with a universal antenna mount or attaches to standard mounting brackets found on most military vehicles. Measuring 59.6 inches in length and weighing 8.7 pounds, this antenna is designed for wideband use with L3Harris vehicular amplifier adapters RF-300UL-V150/V250 and RF-7800UL-V150/V250.

RF-3143TB-AT32X Multiband Vehicular Tri-band Antenna
© 2020 L3Harris Technologies, Inc. | 04/2020 SP004

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