



L3HARRIS™
FAST. FORWARD.

RF-3171-AT001

UHF/L Band Body-Worn Antenna

ELECTRICAL	
Frequency Range	225 - 450 MHz 1300 - 2600 MHz
Polarization	Linear
Impedance	50 Ohm (nominal)
VSWR	High Performance: 3:1 or less Covert: ~3.5:1 or less
Gain	225 - 450 MHz >-2 dBi 1300 - 2600 MHz >-1 dBi
Power Rating	10 W
Radiation Pattern	Omnidirectional
Connection Type	TNC

PHYSICAL	
Dimensions	38.5 in
Weight	.7 lbs (~317 grams)
Color	Camo

ENVIRONMENTAL	
Temperature	MIL-STD-810G -40°F to +159.8°C (-40°C to +71°C)
Immersion	MIL-STD-810G 2m
Shock and Vibration	MIL-STD-810G (transit drop and loose cargo)
Sand/Dust/Salt/Fog/Rain	MIL-STD-810G
Humidity	MIL-STD-810G



The RF-3171-AT001 is conformal, dual-band antenna covering UHF 225-450 MHz and L band 1,300-2,600 MHz spectrums. This lightweight, body-worn solution increases operator mobility during urban and low-profile operations. The antenna attaches to the back of the vest, and with an additional clip can be attached to the front, allowing it to bend and conform over the shoulder in a stowed position. If additional performance is needed to close a link, the front clip can be released and the antenna will snap into a vertical position. The clip can also be used with an elevation kit to mount the antenna from a tree or mast for greater range. The linear, omni-directional RF-3171-AT001 is MIL-STD ruggedized for top performance in harsh environments.

RF-3171-AT001 UHF/L Band Body-Worn Antenna
© 2020 L3Harris Technologies, Inc. | 12/2020 SP186

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.