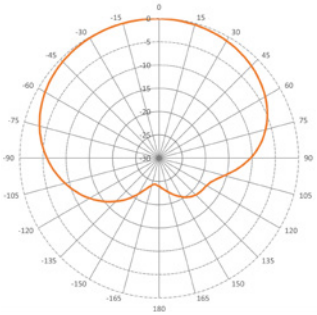
L3HARRIS®
FAST. FORWARD.

RF-3168-ATXXX

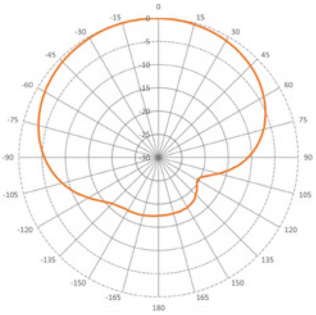
MUOS SATCOM on-the-move antenna

ELECTRICAL		
Frequency Range	300-320 MHz , 360-380 MHz	
RF Power Capacity	20 watts	
Radiation Pattern	Hemispherical	
VSWR	Less than 2.0:1 for 95% of each band, relative to 50 ohms.	
Gain	+3dBic from 300-320 MHz +5dBic from 360-380 MHz	
MECHANICAL		
Connection	P/N: RF-3168-AT001 P/N: RF-3168-AT152	'N'-type male (plug) connector TNC
Total Length	~ 21.01 in (~ 53.37 cm)	
Max Width	~ 2.94 in (~ 7.47 cm)	
Antenna Weight	~ 15.9 oz (~ 450.8 g)	
Color/Finish	Black	
ENVIRONMENTAL		
Shock (Transit Drop)	MIL-STD-810, Test Method 516.6	
High Temperature Storage	MIL-STD-810, Test Method 501.5	
Low Temperature Storage	MIL-STD-810, Test Method 502.5	
Altitude Operational	MIL-STD-810, Test Method 500.5	
Altitude Decompression	MIL-STD-810, Test Method 500.5	
Dust	MIL-STD-810, Test Method 510.5	
FEATURES		
Low Profile		
Mobile		
Flexible Positioning		

Normalized Elevation Pattern(s) for 310 MHz



Normalized Elevation Pattern(s) for 370 MHz



The RF-3168 MUOS antenna is engineered for optimal performance and exceptional reliability. Designed to support the Mobile User Objective System (MUOS), this advanced antenna enables enhanced satellite communications for modern tactical operations. With its robust construction and precision-tuned capabilities, the RF-3168 ensures secure, high-quality voice and data transmissions even in the most challenging environments. Whether on the move or stationed in remote areas, trust the RF-3168 MUOS Antenna for unparalleled connectivity and mission-critical communications.

RF-3168-ATXXX

L3Harris Technologies is the Trusted Disruptor in defense tech. With customers' mission-critical needs always in mind, our employees deliver end-to-end technology solutions connecting the space, air, land, sea and cyber domains in the interest of national security. Visit L3Harris.com for more information.

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