



L3HARRIS™
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CA-3138, AS-2867/SR 30-1000 MHz DUAL-BAND VHF/UHF RECEIVING ANTENNA

Model CA-3138 is a broadband very high frequency (VHF) and ultra-high frequency (UHF) antenna which provides vertically polarized, omnidirectional coverage for general purpose receiving use. Two independent radio frequency (RF) inputs in the base cover the frequency bands 30 – 150 megahertz and 150 – 1000 megahertz. It is a rugged design, particularly well suited for use in the severe environments encountered aboard Navy ships.

For operation in the 30 – 150 megahertz band, the entire structure is used as a broadband monopole. For the 150 – 1000 megahertz band, the upper half of the structure operates as a disccone radiator. The input voltage standing wave ratio (VSWR) on 50 ohms is less than 4.0:1 at all frequencies above 33 megahertz.

A metallic ground plane at least 8 feet in diameter, or a set of four ground radials, are required for operation of this antenna. For installations where a ground plane is not available, Model CA-3138GP can be used. This unit is supplied with detachable, bolt-on aluminum ground radials.

CA-3138 has been fully qualified to meet MIL-S-901C for grade A shock, and is designed to meet MIL-STD-167, Type I vibration, and all service conditions of MIL-E-16400F for Class 2 equipments.



ELECTRICAL	
Frequency range	
Input no. 1	30 – 150 MHz
Input no. 2	150 – 1000 MHz
VSWR (mounted on ground plane)	
30 – 33 MHz	8.0:1 max
33 – 1000 MHz	4.0:1 max
Impedance	50 Ohms
Polarization	Vertical
Azimuth coverage	Omnidirectional
Power handling	Receive only
Power handling	50 W
MECHANICAL	
Connector	Type N receptacle
Weight	49 lbs
Finish	Grey enamel

KEY FEATURES

- > Extremely rugged design
- > Additional options available where a ground plane is not required
- > Ideal for shipboard applications
- > Meets MIL-STD-167, MIL-S-901C and MIL-E-16400F standards

For further details and specifications, contact the factory at antenna.info@L3Harris.com

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Nonexport-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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