



CA-3123 AS-2810/SRC BROADBAND VERTICAL DIPOLE ANTENNA

Model CA-3123 is a broadband, base-mounted dipole antenna, which provides vertically polarized, omnidirectional coverage over the 225-400-megahertz frequency band for power levels to 100 watts. It is a rugged, lightweight unit sealed within an epoxy fiberglass radome suitable for prolonged use in a marine shipboard environment. The zenith pattern of the antenna is a figure-eight with maximum signal intensity along the horizon. An electrical isolating section is incorporated into the feed system to provide a balanced feed to the radiating elements and to assure large decoupling from the feed line. The radio frequency input connector is a type N receptacle in the base. The input voltage standing wave ratio (VSWR) is less than 2.5:1, on 50 ohms, over the entire operating band. CA-3123 has been fully qualified to meet MIL-S-901C for grade A shock, MIL-STD-167, type 1 vibration, and all service conditions of MIL-E-16400F for class 2 equipment.

ELECTRICAL	
Frequency range	225-400 MHz
VSWR	2.5:1 max
Gain	2 dBi
Impedance	50 ohms
Polarization	Vertical
Azimuth coverage	Omnidirectional within ±1 dB
Zenith coverage	Figure-eight dipole pattern with max at horizon
Power handling	200 W average
MECHANICAL	
Connector	Type N receptacle
Diameter	
Radome	2.87 in
Base Flange	5.25 in
Mounting	Base flange with four 0.34 in. diameter holes on a 4.62 in bolt circle
Weight	6 lbs
Finish	Gray epoxy polyamide
ENVIRONMENTAL	
Vibration	MIL-STD-167, type 1
Shock	MIL-S-901C, grade A
Service conditions	MIL-E-16400F, class 2



KEY FEATURES

- > Broadband ultra-high frequency coverage
- > Vertical polarization
- > Radiation pattern centered at the horizon
- > Shipboard applications

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

