



valcomantennas.com

Multi-Band Antennas

At Valcom, our Multi-Band antenna group delivers broadband solutions that cover VHF, UHF, and in some cases SHF frequencies within a single, integrated antenna. These designs support modern, frequency-agile radio systems by providing flexibility while reducing overall system complexity.

Our multi-band antennas are used across shipboard, vehicular, and land-based tactical platforms, helping simplify installations by replacing multiple single-band antennas with one wideband solution. Models like the VECM-26000 demonstrate our ability to support extremely wide spectrum coverage—from tens of MHz into the gigahertz range—while other designs focus on optimized VHF/UHF performance for everyday operations.

Overall, this portfolio reflects Valcom's commitment to versatility, broadband performance, and rugged engineering for defense, maritime, and commercial communications.



valcomantennas.com

Who We Are

Founded in 1955 in Guelph, Ontario, Canada, Valcom Manufacturing is a global leader in the design and manufacture of high-performance antenna systems. We serve military, defense, aviation, and industrial clients worldwide with solutions built to perform in the most demanding environments.

Valcom specializes in antennas spanning MF, AM broadcast, HF, VHF, UHF, and SHF frequencies, along with complementary technologies such as power conditioners, remote data collection platforms, and lightweight communication infrastructure. Our capabilities also include repair and overhaul services, calibration, and built-to-print electronic and electro-mechanical manufacturing.

With decades of innovation and a commitment to reliability, Valcom continues to pioneer advanced communication solutions for mission-critical applications across the global defense and industrial landscape.



valcomantennas.com

Table of Contents

📶 VDB-VHF/UHF-N

📶 VDB-VHF/UHF

📶 VWB-56000

📶 VMB-11512-N

📶 VECM-26000

📶 VDA-3231

📶 VAS-4163

📶 VMB-11512

📶 VDA-3231A

📶 VMB-3512N

📶 VMB-3512

📶 VMB-11512-FB

📶 AS-4163/URC

📶 VECM-16000

📶 AS-3900A/VRC

📶 VMB-3512-4

📶 V3B-100512

📶 VECM-2200

Dual-Band Antenna

A rugged dual-band vehicular whip antenna designed for today's wide-band, frequency-agile radios. It delivers reliable VHF/UHF communications, broad coverage, and durable performance for demanding military applications.



BROADBAND COVERAGE

Operates from 2-30 MHz
with no tuner required



DURABILITY AND RELIABILITY

Rugged fiberglass construction
with aluminum mounting flange



WEATHERPROOF CONSTRUCTION

Operates in harsh conditions,
from -60°F to +160°F



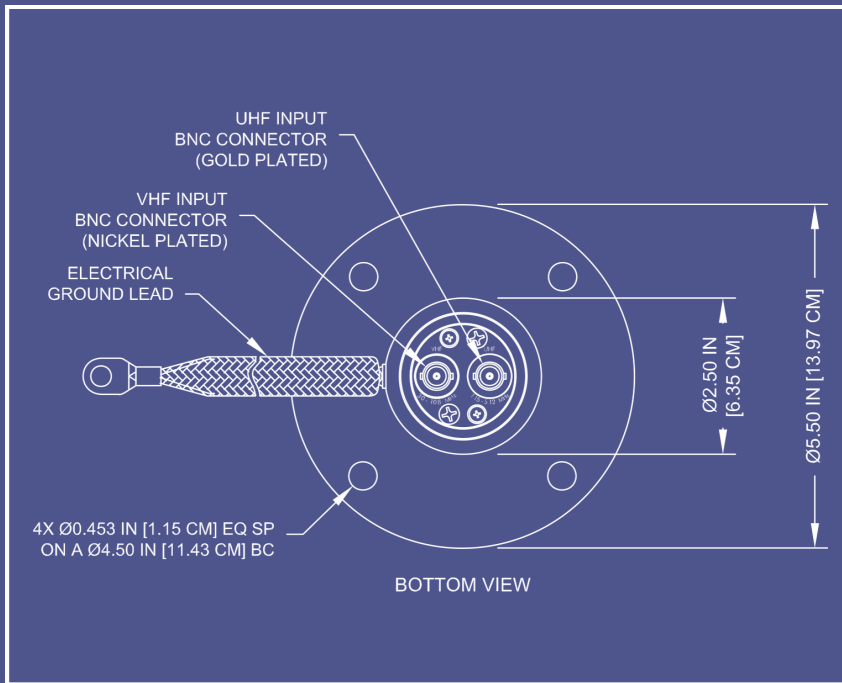
VEHICULAR APPLICATIONS

Wide frequency coverage for
tactical vehicles.



VDB-VHF/UHF

Dual-Band
Antenna



KEY CHARACTERISTICS

VDB-VHF/UHF

Frequency Range (no tuner)

VHF: 30–108 MHz
UHF: 115–512 MHz

Power

100 Watts

Height

138 in

Weight

10 lbs

VSWR

<2.0:1

Polarization

Vertical

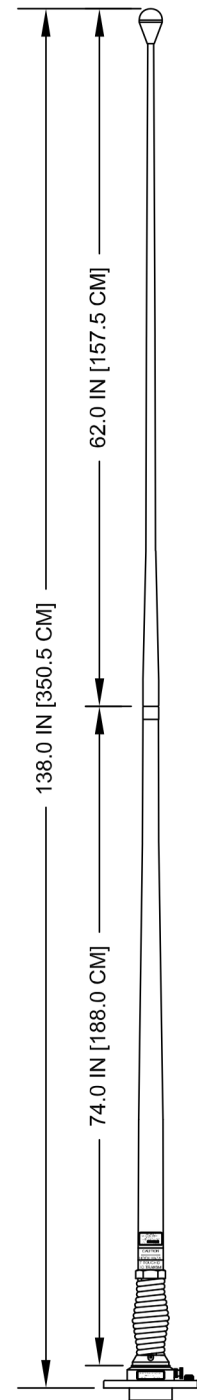
Azimuth Coverage

Omnidirectional

Integral Base / Insulator

Epoxy
Fiberglass

This dual-band antenna provides wide frequency coverage, rugged fiberglass construction, and built-in safety features — a dependable solution for mission-critical VHF/UHF communications in harsh environments.



IDEAL FOR:

- Military VHF/UHF communications
- Frequency-agile radio systems
- Harsh field environments
- High-voltage safety needs
- Quick setup & mounting

VHF/UHF Broadband Communications Antenna System

The Valcom VMB-3512-N is a rugged VHF/UHF whip antenna with 30–512 MHz coverage, 100W power handling, and high-voltage isolation—ideal for shipboard use and fast, tool-free setup.



BROADBAND COVERAGE

Operates from 30 – 512 MHz
with no tuner required



POWER HANDLING

Supports up to 100W average
RF power



LIGHTNING PROTECTION

20 kVrms top and 10 kVrms lower
element protection per MIL-STD-202



SHIPBOARD ANTENNAS

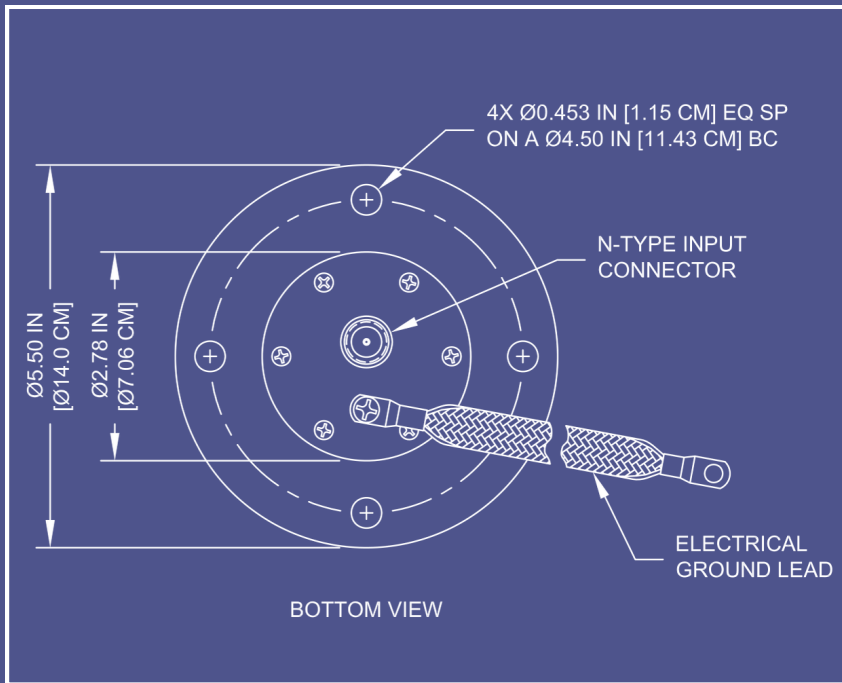
Specifically designed for
shipboard use



VMB-3512-N

VHF/UHF Broadband
Communications Antenna
System

NSN: 5985-01-608-5078

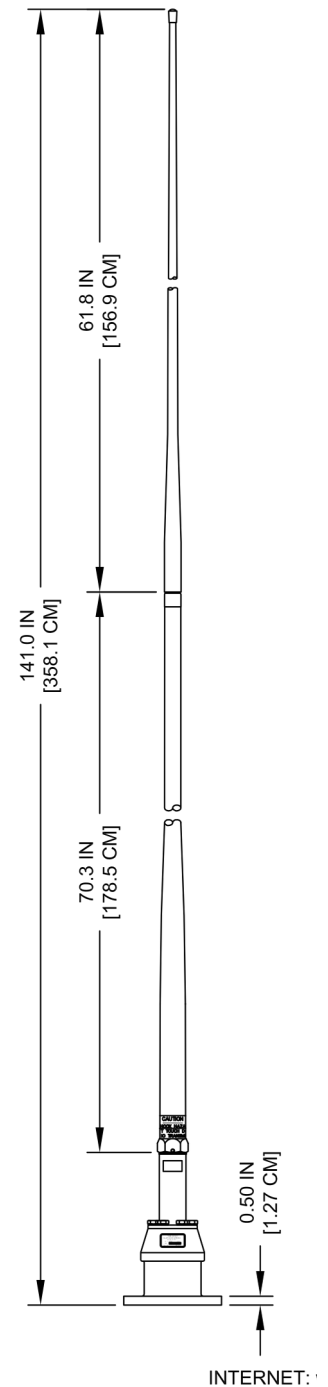


KEY CHARACTERISTICS

VMB-3512-N

Frequency Range (no tuner)	30 – 512 MHz
Power	0.1 KW
Height	141 in
Weight	11 lbs
VSWR	3.5:1 maximum
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Epoxy Fiberglass

The VMB-3512-N is a flexible fiberglass whip antenna delivering reliable VHF/UHF performance in tough marine and tactical environments.



IDEAL FOR:

- Multi-band VHF/UHF military applications
- Areas with potential for electrical hazards
- High-wind and extreme temperature environments

Multi-Band Dipole Antenna

The VMB-11512-FB is a lightweight, rugged multi-band antenna (115–512 MHz) designed for fixed stations on buildings or masts, supporting modern frequency-agile radios.



BROADBAND COVERAGE

Operates from 115 to 512 MHz with no tuner required



DURABILITY AND RELIABILITY

Withstands wind speeds up to 140 MPH (225 KPH)



LIGHTNING PROTECTION

Element rated for 10 kV rms to MIL-STD-202



SHIPBOARD ANTENNAS

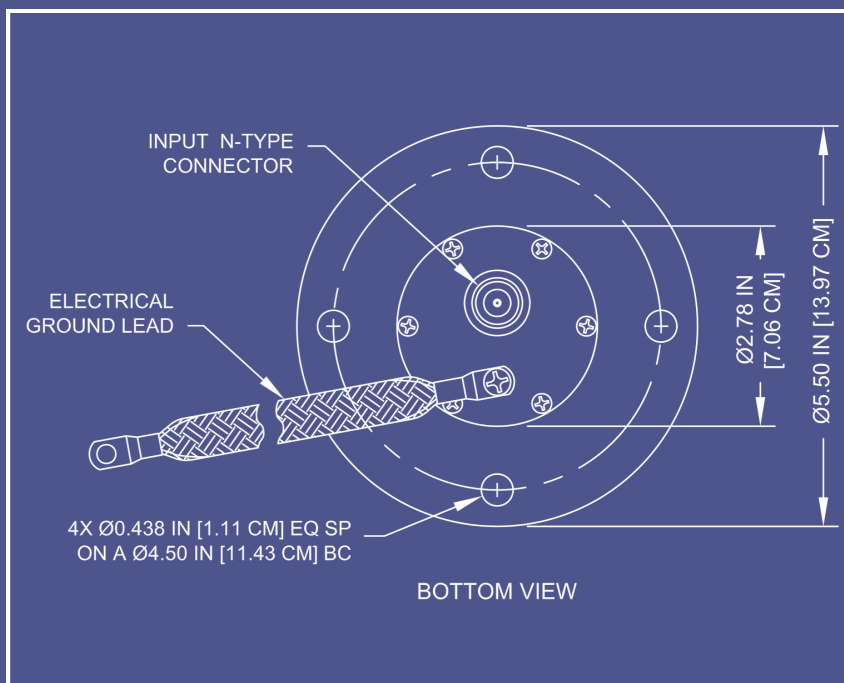
Confirmation from the manufacturer is recommended for marine applications



VMB-11512-FB

Multi-Band
Dipole Antenna

PN: VC-11-00050-1



KEY CHARACTERISTICS

VMB-11512-FB

Frequency Range (no tuner) 115 to 512 MHz

Power 0.1 KW

Height 25.75 in

Weight 3.64 lbs

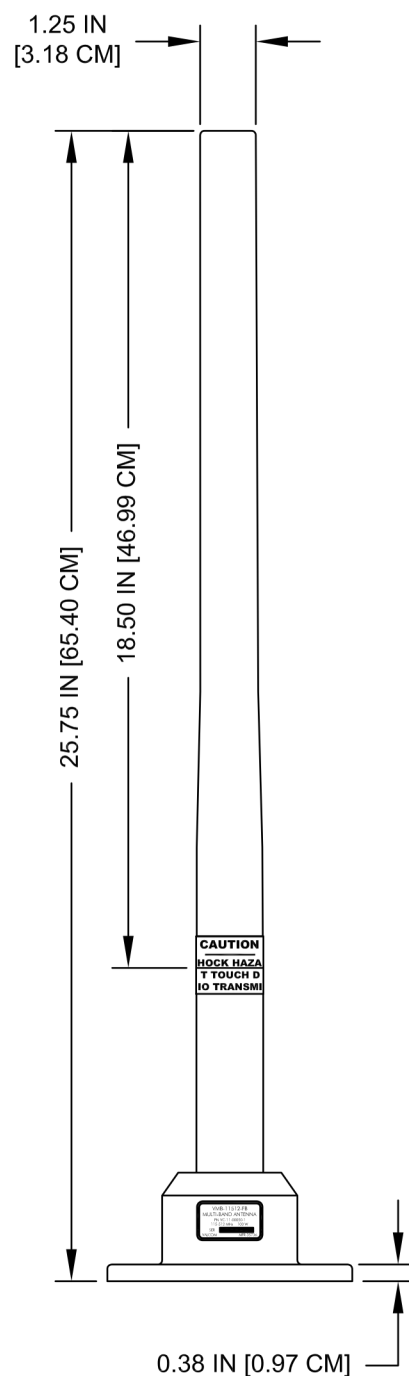
VSWR 3.0:1 maximum

Polarization Vertical

Azimuth Coverage Omnidirectional

Integral Base / Insulator Fiberglass/
Aluminum

Designed for stationary use, the VMB-11512-FB features broadband tuning, a durable one-piece build, vertical polarization, and omnidirectional coverage for mission-critical communications.



IDEAL FOR:

- Fixed-station communications
- Mission-critical, reliable coverage
- Environments requiring rugged, weather-resistant antennas

Dual Channel UHF Dipole Antenna

The AS-4163/URC is a rugged dual-channel UHF dipole antenna for 225–400 MHz. Built for shipboard use, it supports high-power transmit/receive with durable, weatherproof construction.



BROADBAND COVERAGE

Operates from 225 to 400 MHz
with no tuner required



HIGH POWER HANDLING

Supports up to 1000 W average RF
power per channel



WEATHERPROOF CONSTRUCTION

Designed for harsh
environmental conditions



SHIPBOARD ANTENNAS

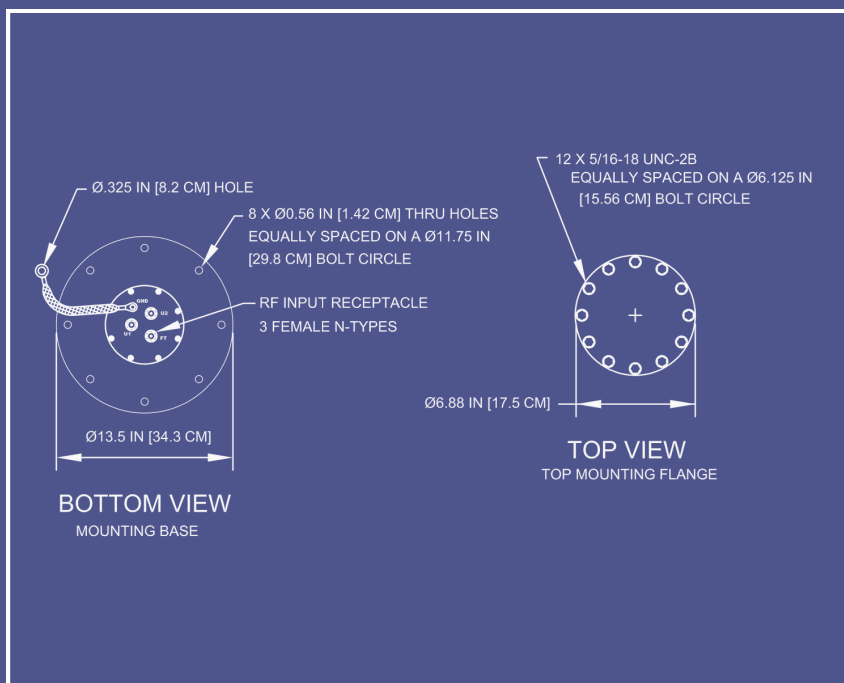
Specifically designed for
naval/shipboard environments



AS-4163/URC

Dual Channel UHF Dipole
Antenna

NSN: 5985-01-338-9509

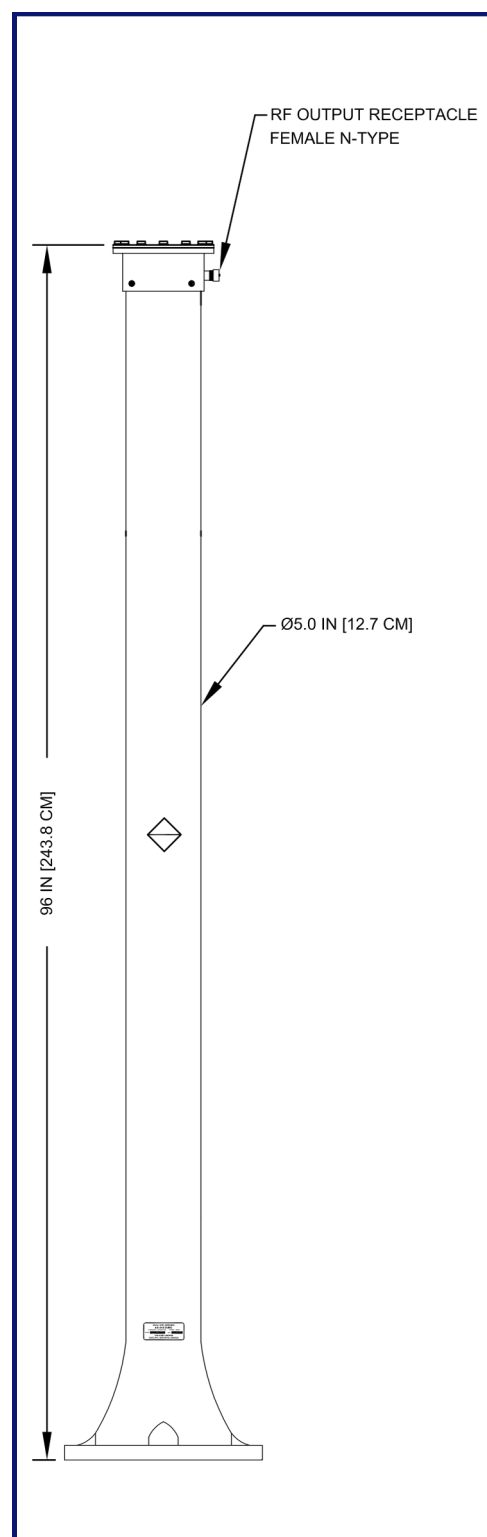


KEY CHARACTERISTICS

AS-4163/URC

Frequency Range (no tuner)	225 MHz to 400 MHz
Power	1 KW
Height	96 in
Weight	40 lbs
VSWR	3.0:1 max
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Epoxy Fiberglass

The AS-4163/URC is a vertical, omnidirectional broadband antenna with dual high-power dipoles in a fiberglass radome. Ideal for naval use, it requires no tuner and supports secondary antenna mounting.



IDEAL FOR:

- Naval/shipboard UHF communications
- High-isolation dual-channel applications
- Mounting with secondary antennas (AS-390/SRC)

Dual Channel UHF/WNW Dipole Shipboard Antenna

The VAS-4163 is a rugged dual-channel UHF/WNW antenna for 225–2000 MHz. Built for shipboard use, it supports high power, all-weather durability, and reliable transmit/receive performance.



BROADBAND COVERAGE

Operates from 225–400 MHz (UHF) and 400–2000 MHz (WNW)



HIGH POWER HANDLING

Supports up to 1000 W (UHF) and 300 W (WNW)



WEATHERPROOF CONSTRUCTION

Built for harsh shipboard environments



SHIPBOARD ANTENNAS

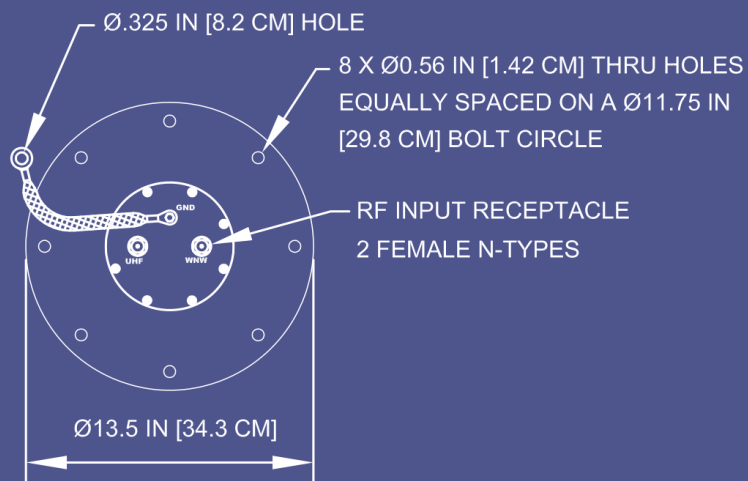
Specifically designed for shipboard environments



VAS-4163

Dual Channel UHF/WNW
Dipole Shipboard Antenna

PN: VD-17-00070-1



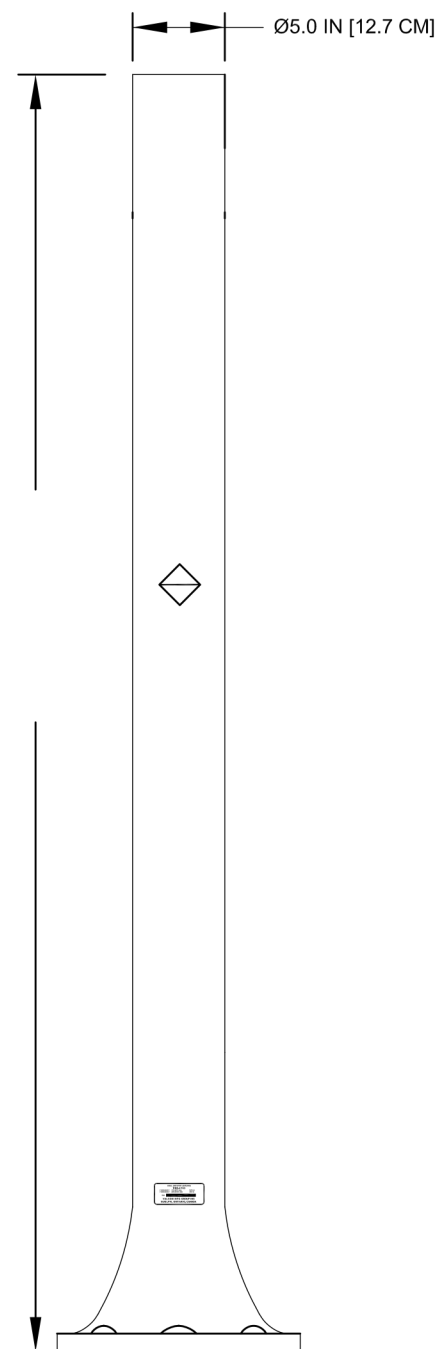
BOTTOM VIEW
MOUNTING BASE

KEY CHARACTERISTICS

AS-4163/URC

Frequency Range (no tuner)	225–2000 MHz (UHF/WNW)
Power	1000W (UHF), 300W (WNW)
Height	75 in
Weight	34 lbs
VSWR	UHF $\leq 3.0:1$, WNW $\leq 2.0:1$
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Epoxy Fiberglass

The VAS-4163 is a vertical, omnidirectional broadband antenna with dual dipoles in a fiberglass radome. Ideal for naval use, it covers 225–2000 MHz without a tuner and handles harsh conditions.



IDEAL FOR:

- Shipboard communications across UHF and WNW bands
- Dual-channel systems requiring wideband coverage
- Harsh marine environments

Multi-Band Vehicular Whip Antenna

The VMB-11512 is a rugged, multi-band whip antenna for VHF/UHF military communications. Its broadband design replaces multiple antennas and ensures reliable performance in harsh conditions.



BROADBAND COVERAGE

Operates from 115 MHz to 512 MHz with no tuner required



DURABILITY AND RELIABILITY

Extremely rugged and reliable construction



WEATHERPROOF CONSTRUCTION

Handles extreme heat, cold, and strong winds



VEHICULAR APPLICATIONS

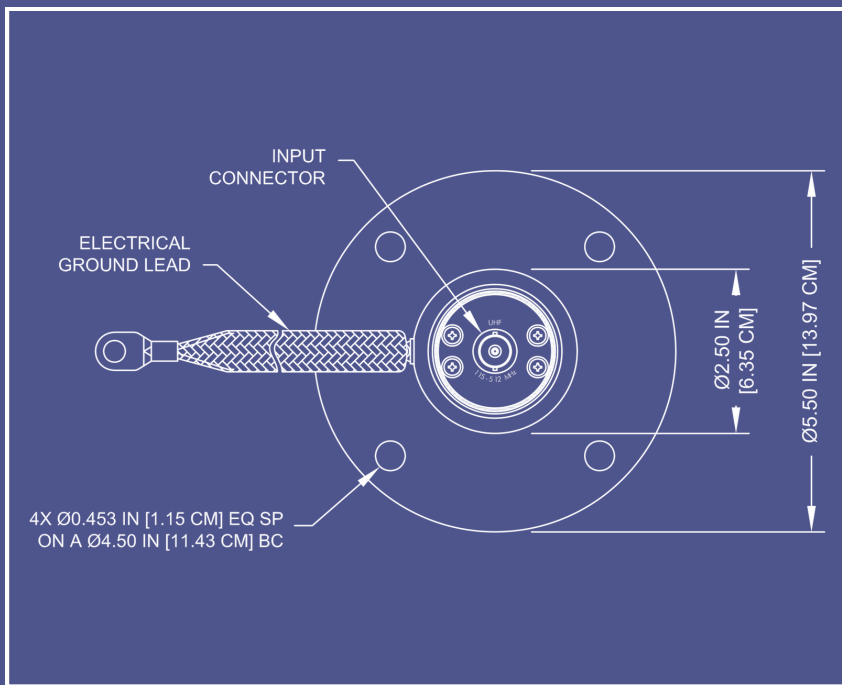
Though made for military vehicles, its rugged build and wide frequency range also suit shipboard use on rigid mounts.



VMB-11512

Multi-Band Vehicular Whip
Antenna

NSN: 5985-20-003-1086

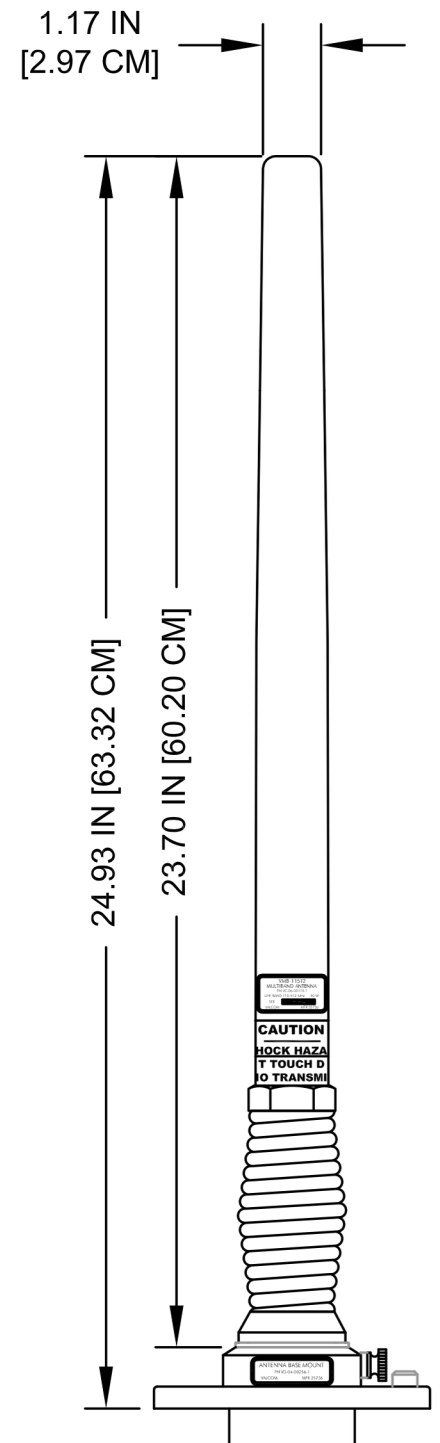


KEY CHARACTERISTICS

VMB-11512

Frequency Range (no tuner)	115 MHz – 512 MHz
Power	0.1 KW
Height	25.66 in
Weight	5.75 lbs
VSWR	≤ 3.0:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Epoxy Fiberglass

Dipole-style whip with built-in broadband tuning and vertical polarization, made for wide coverage and frequency-agile military radios.



IDEAL FOR:

- Military vehicles and tactical communications
- Situations where multiple antennas need to be replaced with one solution
- Potential shipboard use on rigid mounts

Dual-Band Whip Antenna

Rugged dual-band whip antenna for VHF/UHF military comms. Handles extreme conditions and replaces multiple antennas with one wideband solution.



BROADBAND COVERAGE

Operates from 30–108 MHz (VHF) and 115–512 MHz (UHF)



DURABILITY AND RELIABILITY

Built to military standards with high-voltage protection and a tough fiberglass design



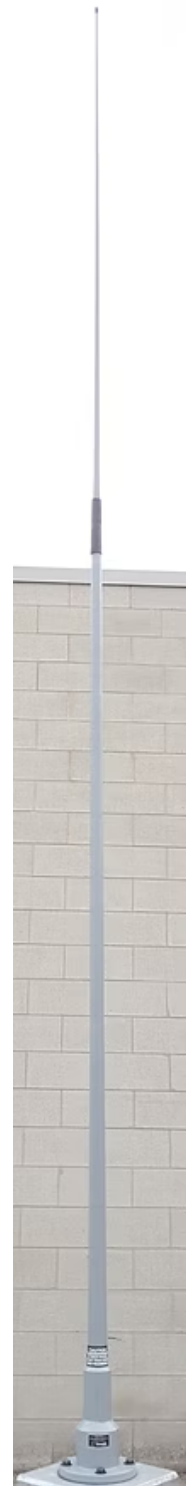
RECEIVE AND TRANSMIT

Supports transmit and receive on both VHF and UHF with omnidirectional, vertical coverage



SHIPBOARD ANTENNAS

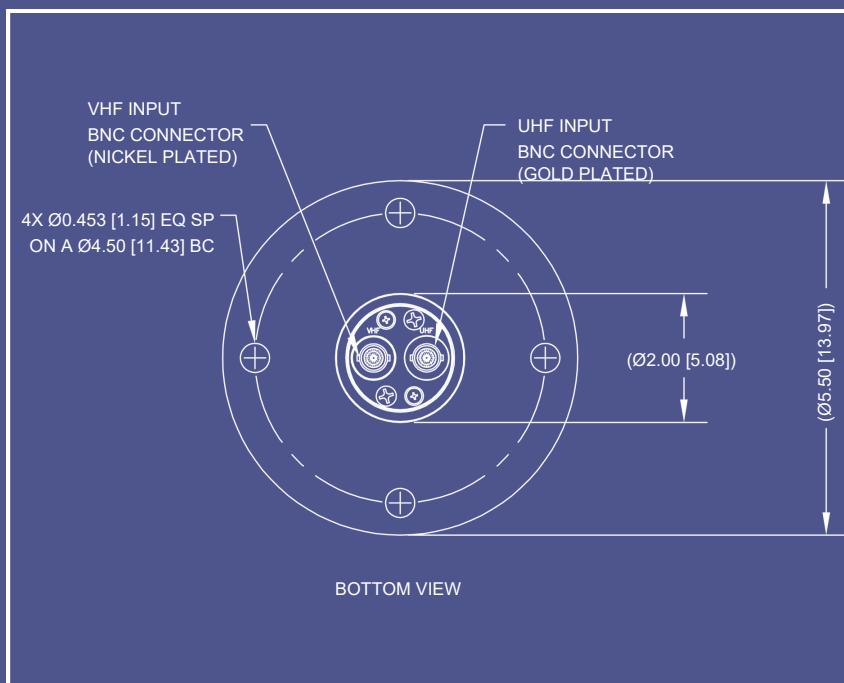
Not ship-rated, but rugged and wideband—suitable for naval use where VHF/UHF coverage is needed



VDB-VHF/UHF-N

Dual-Band Whip Antenna

PN: VDB-VHF/UHF-N

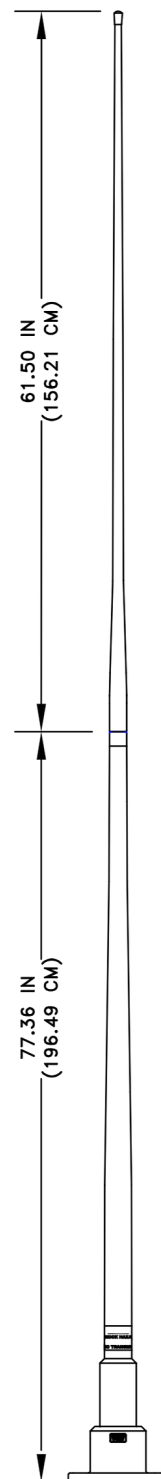


KEY CHARACTERISTICS

VDB-VHF/UHF-N

Frequency Range (no tuner)	30-108 MHz (VHF) 115-512 MHz (UHF)
Power	0.1 KW
Height	138.86 in
Weight	9 lbs
VSWR	3.5:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Epoxy Fiberglass

A two-piece dipole-style, dual-band whip antenna with integrated matching networks and fiberglass housing. Built for high-power, frequency-agile radios used in demanding tactical environments.



IDEAL FOR:

- Dual-band (VHF/UHF) operations with one antenna
- Harsh environments requiring high durability
- Frequency-agile and wideband radio systems

Multi-Band Dipole Antenna System

The VMB-11512-N is a rugged, lightweight multi-band antenna engineered for shipboard and harsh environments. It delivers wideband performance from 115 to 512 MHz without a tuner and supports frequency-agile radios.



BROADBAND COVERAGE

Operates from 115 – 512 MHz
with no tuner required



DURABILITY AND RELIABILITY

Constructed with a durable fiberglass design, built to withstand shock and vibration



RECEIVE AND TRANSMIT

Omnidirectional pattern, vertical polarization – supports both TX & RX



SHIPBOARD ANTENNAS

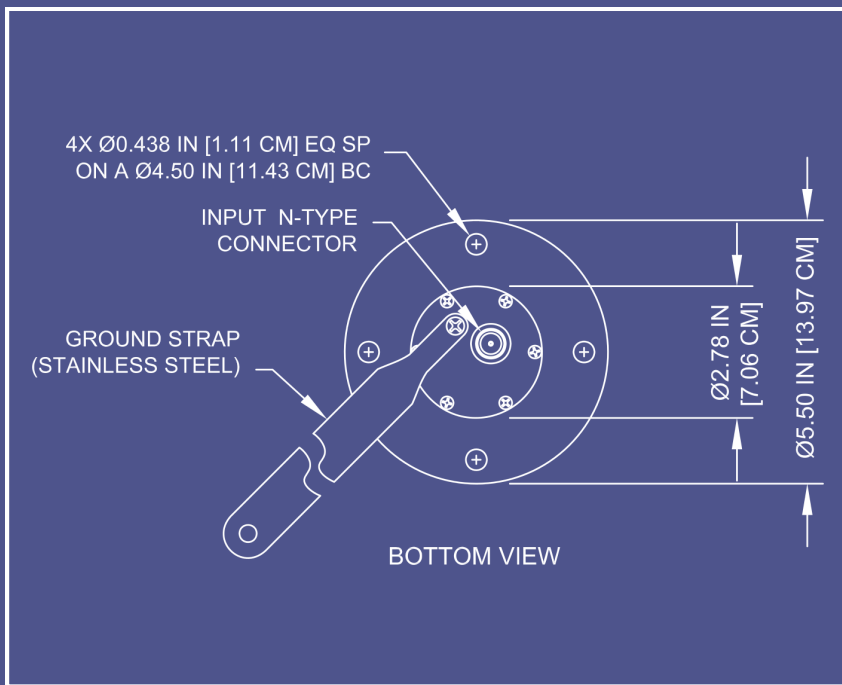
Specifically designed for shipboard mounting



VMB-11512-N

Multi-Band Dipole Antenna System

PN: VC-08-00065-1



KEY CHARACTERISTICS

VMB-11512-N

Frequency Range (no tuner) 115 – 512 MHz

Power 0.1 KW

Height 25.75 in

Weight 3.64 lbs

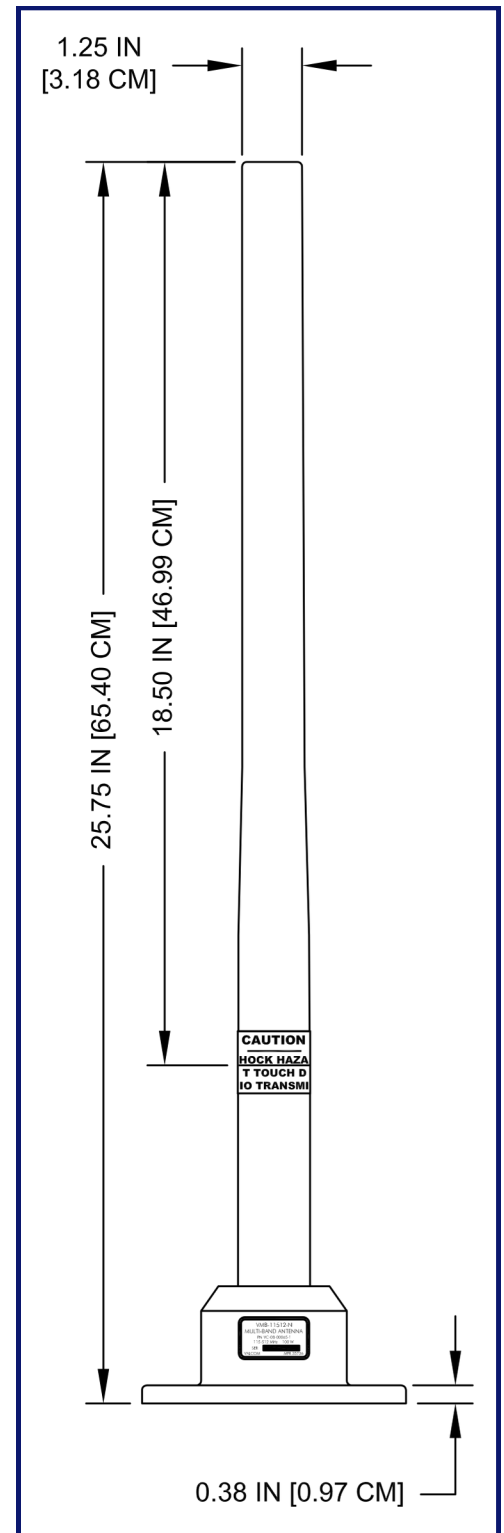
VSWR 3.0:1

Polarization Vertical

Azimuth Coverage Omnidirectional

Integral Base / Insulator Epoxy Fiberglass

A high-performance, general-purpose multi-band dipole antenna ideal for shipboard applications. Combines a fiberglass whip and aluminum base into a compact, reliable one-piece unit.



IDEAL FOR:

- Wideband radios in VHF and UHF ranges
- Applications needing lightweight, durable, and weather-resistant antennas
- Shipboard communication systems

Tri-Band Antenna

A rugged tri-band whip antenna offering wideband VHF and UHF coverage in one compact system. Built tough for military and vehicular use, with high power handling and flexible mounting.



BROADBAND COVERAGE

Operates from 100–200 MHz, 200–300 MHz, and 300–512 MHz with no tuner required



DURABILITY AND RELIABILITY

Weatherproof with integrated base support spring



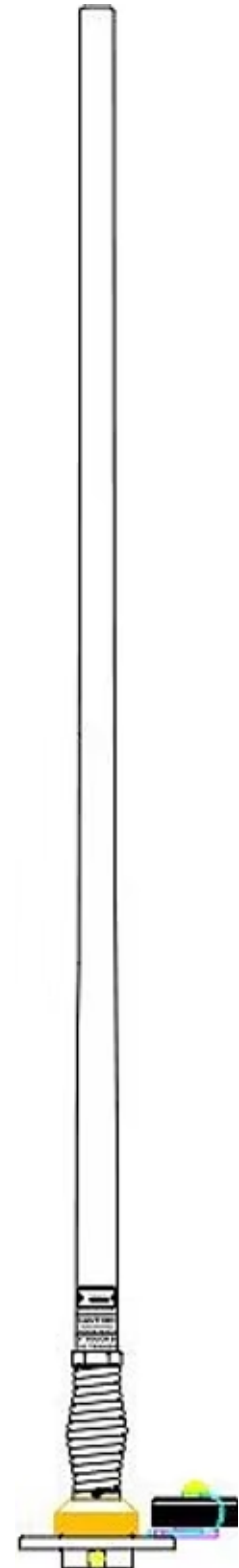
RECEIVE AND TRANSMIT

Supports simultaneous transmit and receive



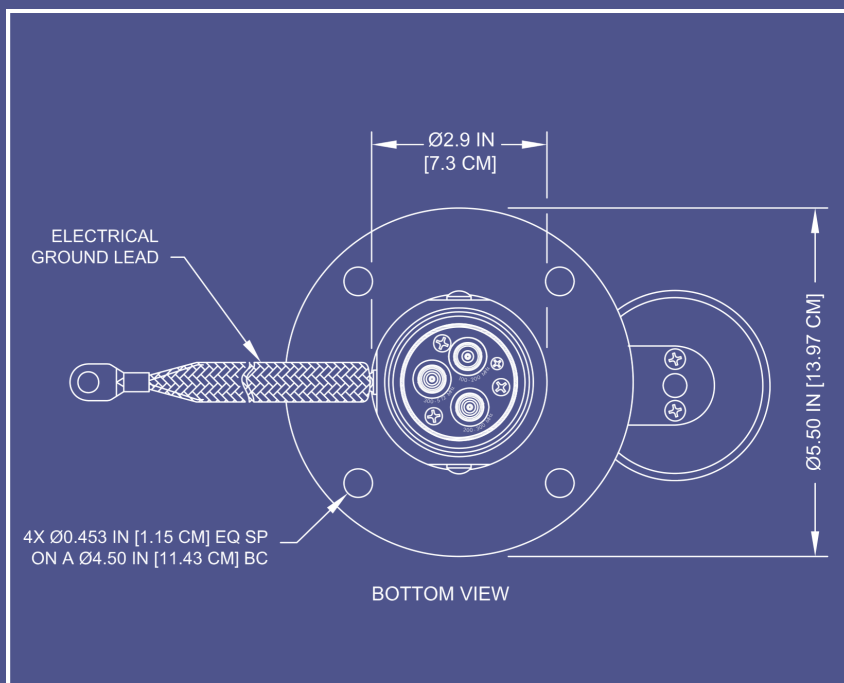
SHIPBOARD ANTENNAS

Designed for vehicular use but adaptable for shipboard and mobile applications with base mounting flexibility



V3B-100512

Tri-Band Antenna

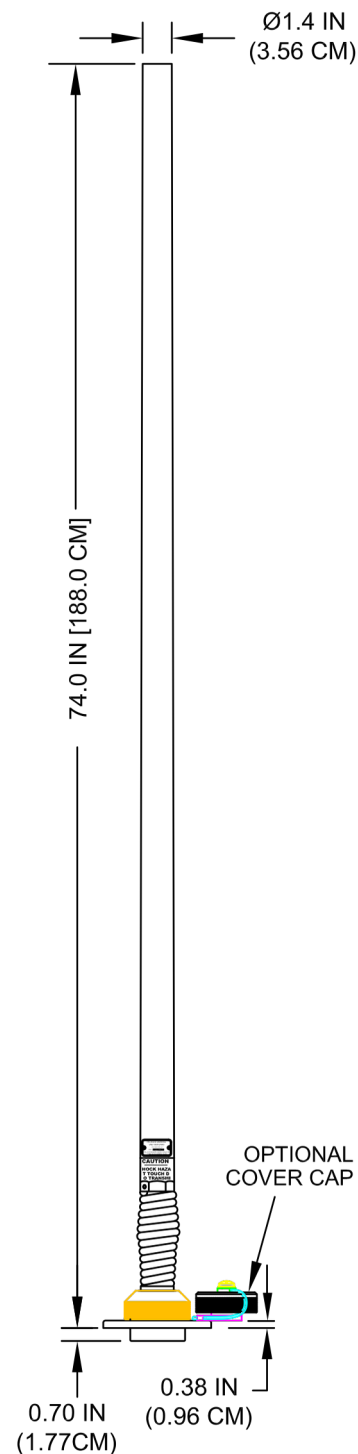


KEY CHARACTERISTICS

V3B-100512

Frequency Range (no tuner)	100-200 MHz, 200-300 MHz, 300-512 MHz
Power	0.1 KW 0.2 - 0.3 KW
Height	74 in
Weight	12 lbs
VSWR	3.5:1 3.0:1 2.5:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Epoxy Fiberglass

A versatile tri-band antenna designed for wideband VHF/UHF military communications, combining multiple inputs and integrated matching networks in a lightweight, weatherproof fiberglass design



IDEAL FOR:

- Multi-band VHF/UHF radio systems
- Tactical military vehicle communications
- Environments requiring a single antenna to replace multiple systems

Broadband Vehicular Whip Antenna

Broadband vehicular whip antenna engineered for rugged military vehicles. Offers reliable VHF communication across the 30–88 MHz band with enhanced power handling and environmental protection.



BROADBAND COVERAGE

Operates from 30 MHz to 88 MHz with no tuner required



DURABILITY AND RELIABILITY

MIL-STD tested for shock, weather, and environmental resilience



WEATHERPROOF CONSTRUCTION

Resists ½ inch ice, high voltage isolation, and features a protective rubber tip



VEHICULAR APPLICATIONS

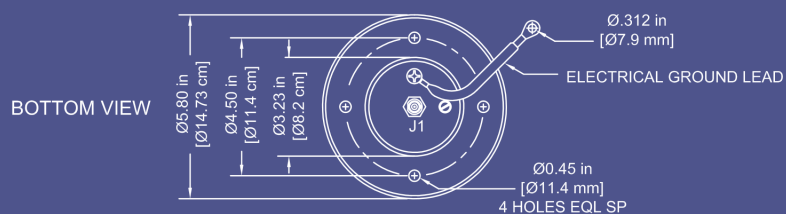
Primarily a vehicular antenna



AS-3900A/VRC

Broadband Vehicular Whip
Antenna

NSN: 5985-01-308-8988

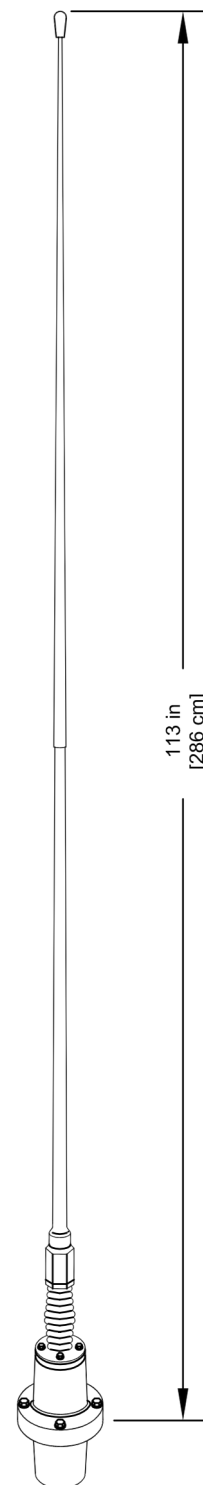


KEY CHARACTERISTICS

AS-3900A/VRC

Frequency Range (no tuner)	30 MHz – 88 MHz
Power	0.15 KW
Height	113 in
Weight	9.5 lbs
VSWR	3.5:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Not specified

The AS-3900A/VRC is a vertically polarized, center-fed vehicular whip antenna system optimized for VHF broadband operation. Designed for harsh field conditions, it provides high voltage protection and easy field assembly.



IDEAL FOR:

- Tactical military vehicle communication systems
- High-voltage isolation and EMP protection needs
- Harsh operational environments requiring durability

VHF/UHF Discone Antenna

The Valcom VDA-3231 Discone Antenna is a rugged, compact, and lightweight broadband VHF/UHF antenna designed for reliable omnidirectional coverage. Ideal for both transmitting and receiving applications, it is widely used in communication, monitoring, and direction-finding systems.



BROADBAND COVERAGE

Operates from 80 MHz to 500 MHz with no tuner required



HIGH POWER HANDLING

Handles high power, up to 1 kW average RF power



TRANSMIT AND RECEIVE

Suitable for direction-finding arrays and signal monitoring



SHIPBOARD ANTENNAS

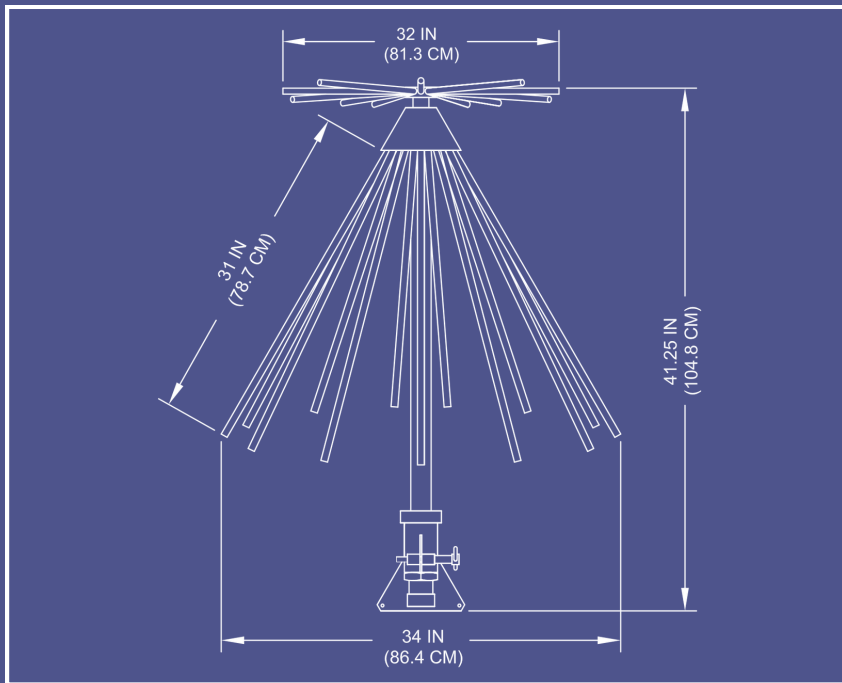
Well suited for naval or shipboard communication systems requiring broadband omnidirectional coverage



VDA-3231

VHF/UHF Discone Antenna

PN: VDA-3231

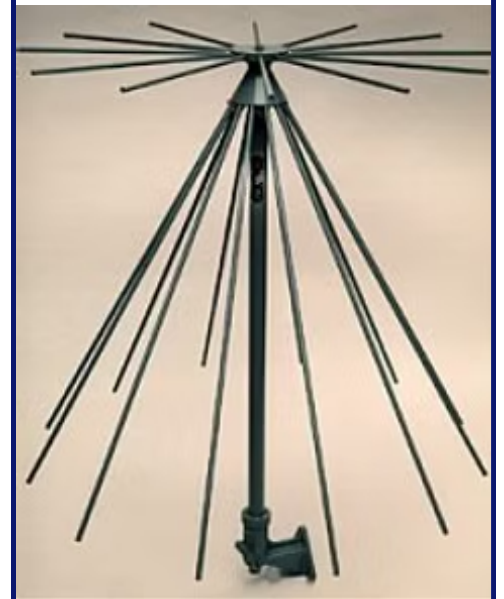


KEY CHARACTERISTICS

VDA-3231

Frequency Range (no tuner)	80 MHz – 500 MHz
Power	1 KW
Height	41.25 in
Weight	10 lbs
VSWR	$\leq 3.5:1$
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Not specified

The VDA-3231 is a broadband discone antenna, engineered for omnidirectional VHF/UHF communications with high power handling and ease of assembly/disassembly.



IDEAL FOR:

- Signal monitoring and receiving
- Direction finding arrays
- High power transmitting applications
- Shipboard and military communication systems

VHF/UHF Discone Antenna

The Valcom VDA-3231A is a compact, broadband VHF/UHF discone antenna designed for wideband signal receiving, transmitting, and monitoring applications. Engineered for reliability, it delivers high power handling, easy installation, and multiple mounting options for both stationary and mobile use.



BROADBAND COVERAGE

Operates from 115 MHz to 400 MHz with no tuner required



HIGH POWER HANDLING

Handles high power, up to 1 kW average RF power



TRANSMIT AND RECEIVE

Suitable for signal receiving, monitoring, and transmitting



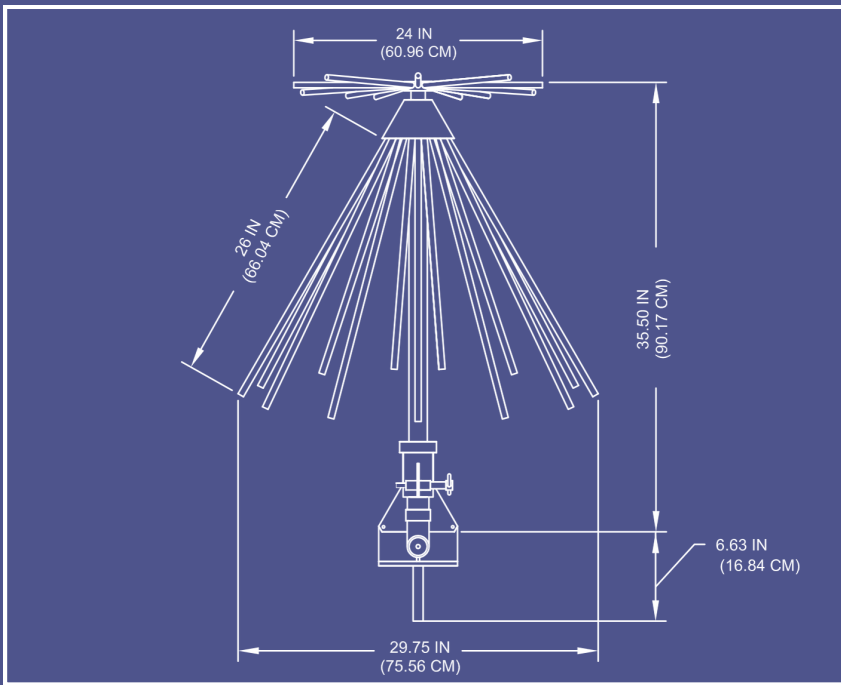
VEHICULAR APPLICATIONS

Can be mounted to side wall of building, standard 4-bolt vehicular mount, or atop a VIXAM-40 mast (multipurpose mounting)



VDA-3231A

VHF/UHF Discone Antenna



KEY CHARACTERISTICS

VDA-3231A

Frequency Range (no tuner)	115 MHz - 400 MHz
Power	1 KW
Height	29.75 in
Weight	12 lbs
VSWR	< 2.5:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Not specified

The VDA-3231A is a rugged, omnidirectional disccone antenna built for broadband coverage across 115–400 MHz. Its durable aluminum construction, high power handling, and weather-resistant design make it an ideal choice for military, shipboard, and monitoring applications.



IDEAL FOR:

- Direction finding (DF) arrays
- Quick deployment with easy assembly/disassembly
- Shipboard and land-based installations

Wide Spectrum Multi-Band Antenna

The VECM-26000 is a rugged, wideband vehicular whip antenna (20 MHz – 6 GHz) designed for high-performance VHF, UHF, and SHF use. Ideal for tactical communications and electronic countermeasures in demanding environments.



BROADBAND COVERAGE

Operates from 20 MHz to 6 GHz with no tuner required



DURABILITY AND RELIABILITY

Rugged fiberglass design with internal matching networks for reliable performance in harsh conditions



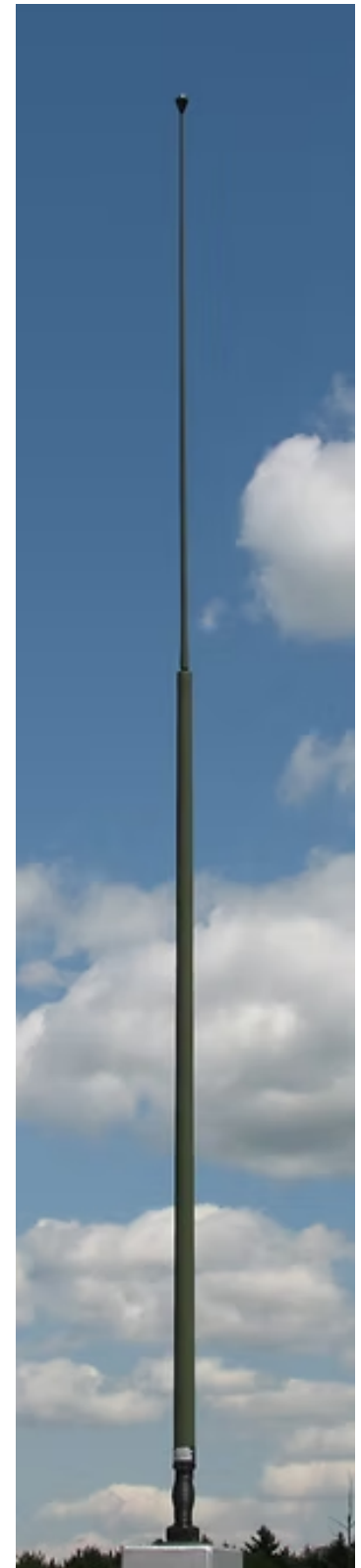
WEATHERPROOF CONSTRUCTION

Designed for vehicular or exposed mount environments



VEHICULAR APPLICATIONS

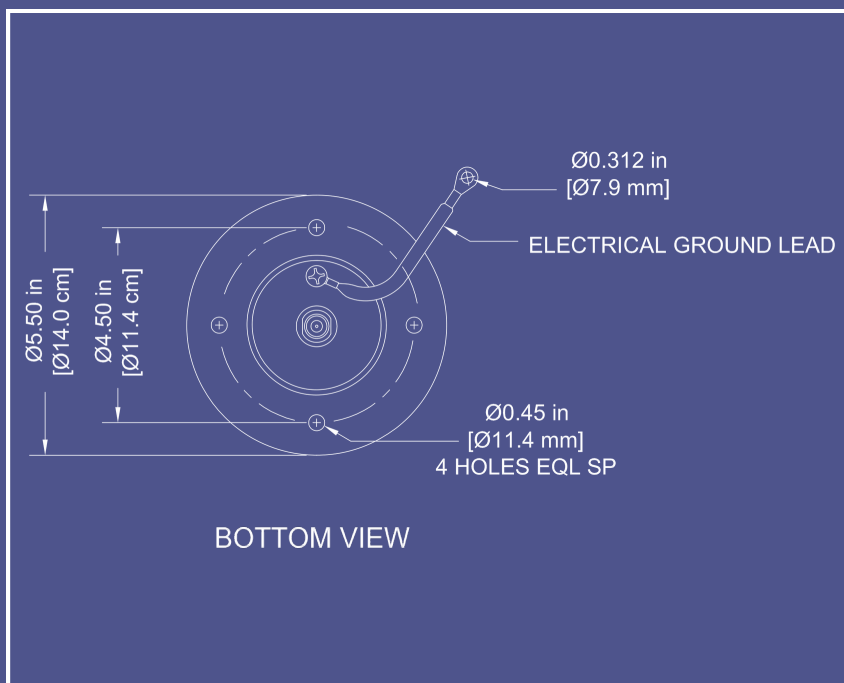
Wideband (20 MHz – 6 GHz) antenna for tactical vehicles, featuring a compact, durable design and shock-resistant mount for reliable on-the-move performance



VECM-26000

SATCOM-ON-THE-MOVE

PN: VECM-26000



KEY CHARACTERISTICS

VECM-26000

Frequency Range (no tuner) 20 MHz – 6000 MHz

Power 0.1 KW

Height 143 in

Weight 16.5 lbs

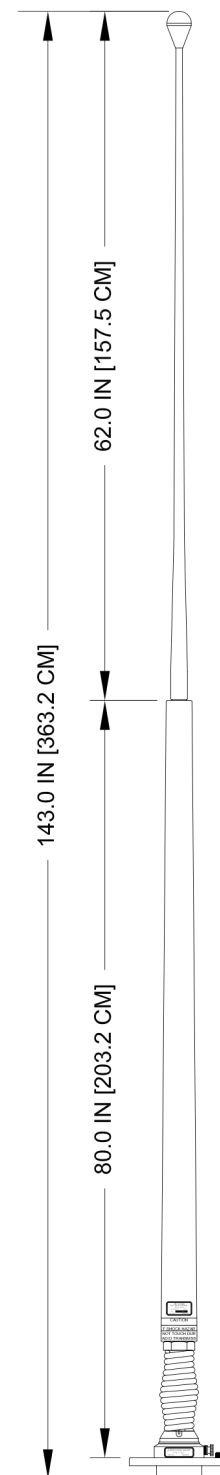
VSWR 3.5:1

Polarization Vertical

Azimuth Coverage Omnidirectional

Integral Base / Insulator Epoxy Fiberglass

The VECM-26000 is a rugged, stacked dipole-style vehicular whip antenna with internal matching networks and a modular two-piece design. Optimized for wideband operations and high durability, it supports a range of communications and electronic warfare needs without requiring multiple antennas.



IDEAL FOR:

- Vehicular or mobile electronic countermeasure systems
- Replacing multiple antennas with a single wide-spectrum solution
- Ground vehicles, potentially adaptable to shipboard or fixed installations

Multi-Band Antenna

The VMB-3512 is a rugged multi-band vehicular whip antenna for VHF and UHF communications, offering a 30-512 MHz range and high voltage isolation for safety. Designed for military use, it ensures reliable performance in harsh environments.



BROADBAND COVERAGE

Operates from 30 MHz to 512 MHz with no tuner required



DURABILITY AND RELIABILITY

The antenna meets MIL-STD-810G standards, ensuring reliability in extreme conditions, with temperatures from -60°F to +160°F and wind speeds up to 70 mph



WEATHERPROOF CONSTRUCTION

The antenna is designed to handle harsh environmental conditions, including extreme temperatures and wind velocities



VEHICULAR APPLICATIONS

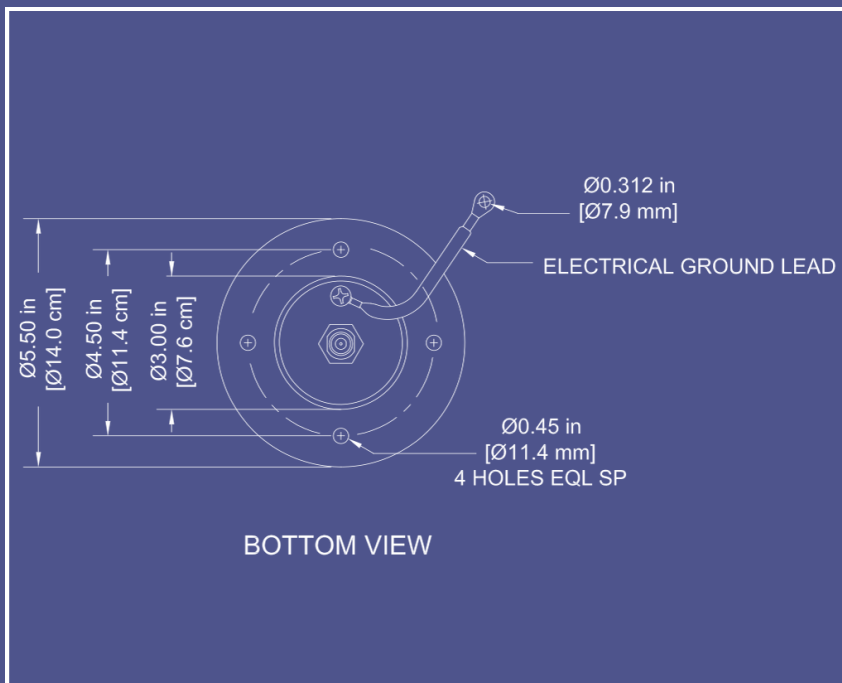
the antenna is specifically designed for vehicular applications, making it ideal for military vehicles and other mobile setups



VMB-3512

Multi-Band Antenna

PN: VMB-3512



KEY CHARACTERISTICS

VMB-3512

Frequency Range (no tuner) 30 MHz - 512 MHz

Power 0.1 KW

Height 138 in

Weight 10.5 lbs

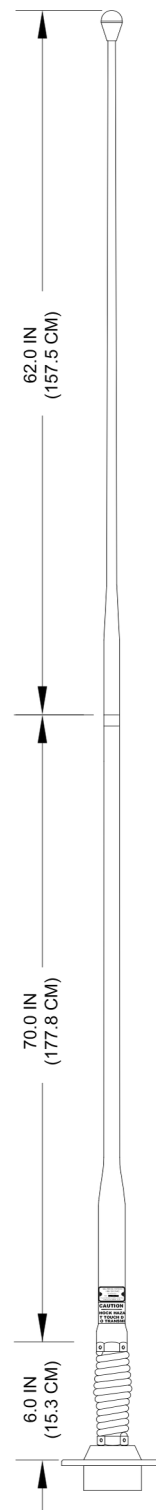
VSWR 3.5:1

Polarization Vertical

Azimuth Coverage Omnidirectional

Integral Base / Insulator Epoxy Fiberglass

The VMB-3512 is an omnidirectional, multi-band antenna, ideal for replacing multiple antenna setups. It ensures high power handling, robust construction, and superior environmental performance, making it suitable for use in military, vehicular, and field applications.



IDEAL FOR:

- Military applications
- Spectrum countermeasure systems
- JTRS programs, wide-band frequency agile radios

UHF/SHF Antenna

The VWB-56000 is a broadband UHF/SHF dipole-style antenna engineered for reliable communication in demanding military, shipboard, and tactical environments. With wide frequency coverage, rugged construction, and easy installation, it delivers superior performance for modern agile radios and communication systems.



BROADBAND COVERAGE

Operates from 500 MHz to 6 GHz with no tuner required



DURABILITY AND RELIABILITY

Designed for rugged, reliable field use with fiberglass sealed dipole construction and a compact, robust antenna housing



WEATHERPROOF CONSTRUCTION

The fiberglass sealed design with a built-in mounting spring provides strong weather protection and durability in tough conditions



VEHICULAR APPLICATIONS

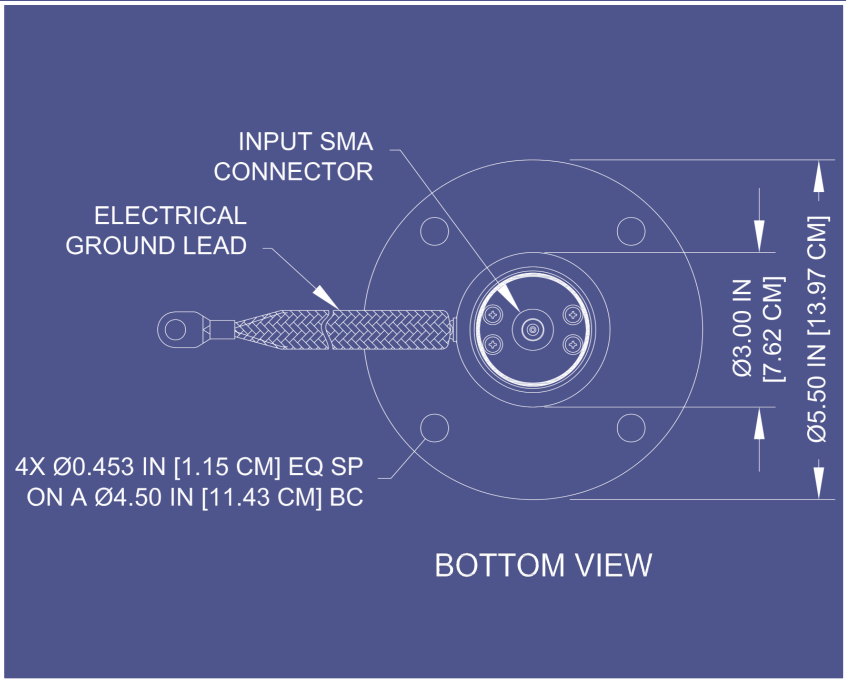
The antenna's compact design and omnidirectional radiation pattern make it suitable for shipboard, vehicular, and ground-based applications



VWB-56000

UHF/SHF Antenna

PN: VWB-56000

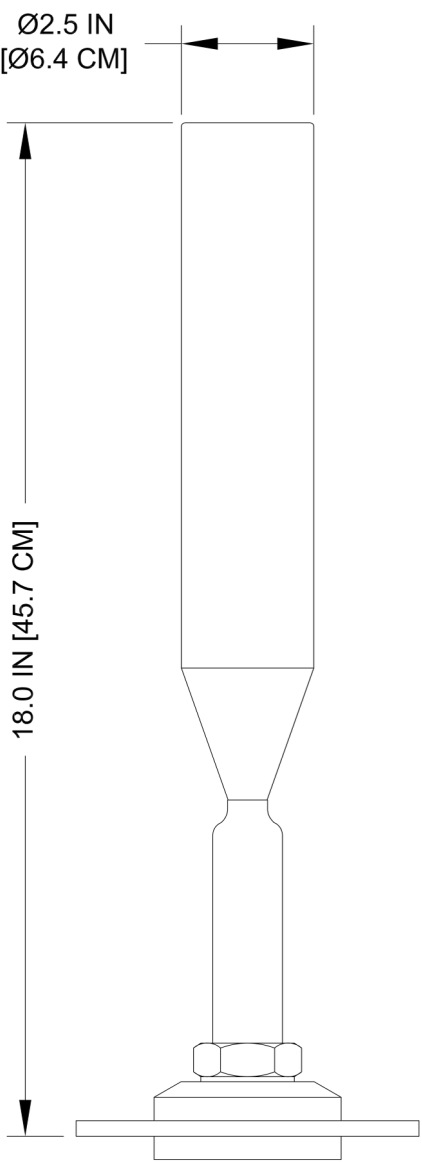


KEY CHARACTERISTICS

VWB-56000

Frequency Range (no tuner)	500 MHz – 6000 MHz
Power	0.1 KW
Height	18 in
Weight	2.5 lbs
VSWR	≤ 2.5:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Not specified

Built for versatility and reliability, the VWB-56000 combines wideband coverage with rugged durability and high-power handling, making it an ideal solution for mission-critical communications on land, sea, or mobile platforms.



IDEAL FOR:

- Military and defense communications
- Tactical and vehicular radio systems
- Wideband transmission and reception environments
- Mobile command posts

Wide Spectrum Multi-Band Antenna

The Valcom VECM-16000 Wide Spectrum Multi-Band Antenna is a rugged, broadband vehicular whip antenna designed to cover multiple frequency bands across VHF, UHF, and SHF. Ideally suited for advanced communications and countermeasure systems, it delivers reliable performance in mission-critical environments.



BROADBAND COVERAGE

Operates from 100 MHz to 6000 MHz with no tuner required



HIGH POWER HANDLING

Handles up to 100 W (100–999 MHz) and 50 W (1–6 GHz) average RF power



WEATHERPROOF CONSTRUCTION

Rugged fiberglass envelope, built to withstand harsh conditions



VEHICULAR APPLICATIONS

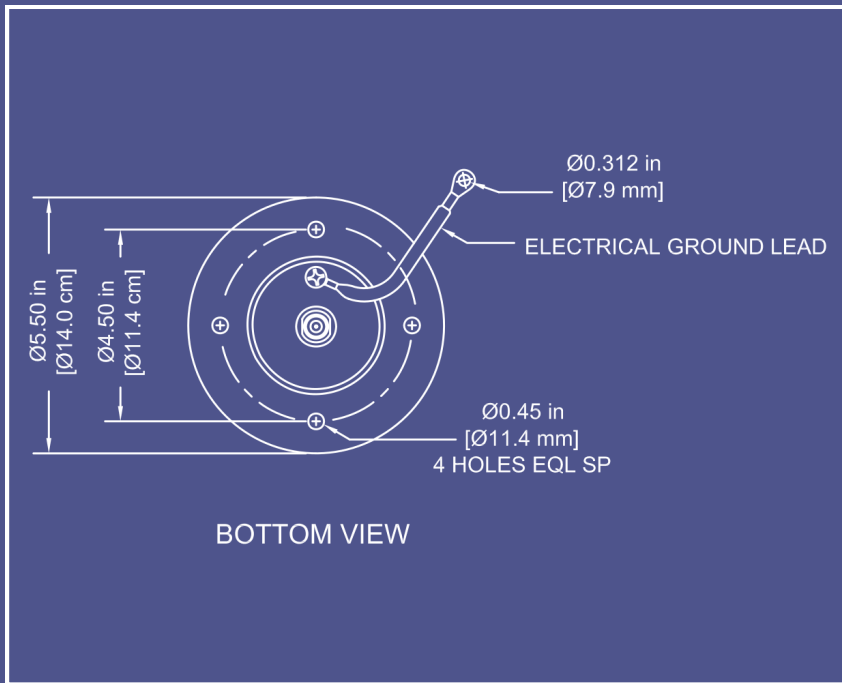
While primarily vehicular, its rugged and wideband design makes it adaptable for shipboard applications with proper mounting



VECM-16000

Wide Spectrum Multi-Band Antenna

PN: VECM-16000

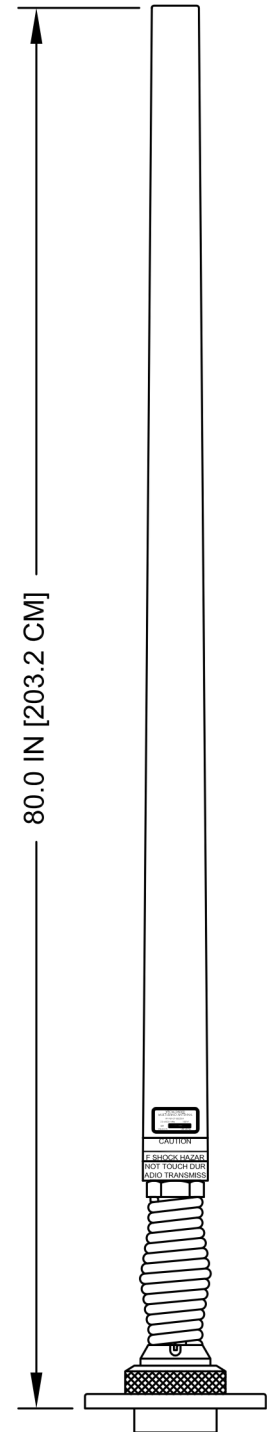


KEY CHARACTERISTICS

VECM-16000

Frequency Range (no tuner)	100 MHz – 6000 MHz
Power	0.05 KW - 0.1 KW
Height	80 in
Weight	15 lbs
VSWR	3.0:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Not specified

The VECM-16000 Wide Spectrum Multi-Band Antenna is an all-in-one communications solution designed for harsh operational environments. With rugged construction, wideband capability, and reliable performance, it delivers the durability and versatility demanded by modern defense and security missions.



IDEAL FOR:

- Electronic countermeasure (ECM) systems
- Mission-critical multi-band operations
- Military and defense communications
- Vehicular and shipboard platforms

Multi-band Vehicular Whip Antenna

The VMB-3512-4 is a rugged multi-band vehicular whip antenna designed for modern military communications. Covering the full 30–512 MHz spectrum, it combines VHF and UHF capability into one system—eliminating the need for multiple antennas.



BROADBAND COVERAGE

Operates from 30 MHz to 512 MHz with no tuner required



DURABILITY AND RELIABILITY

Rugged fiberglass design, MIL-STD-810G tested for impact durability



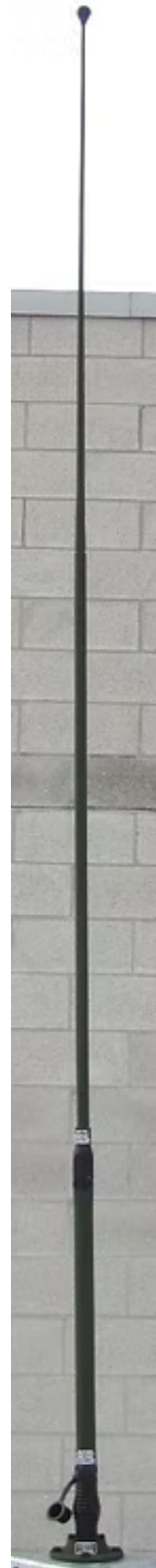
WEATHERPROOF CONSTRUCTION

High-voltage isolation with fiberglass weather protection



VEHICULAR APPLICATIONS

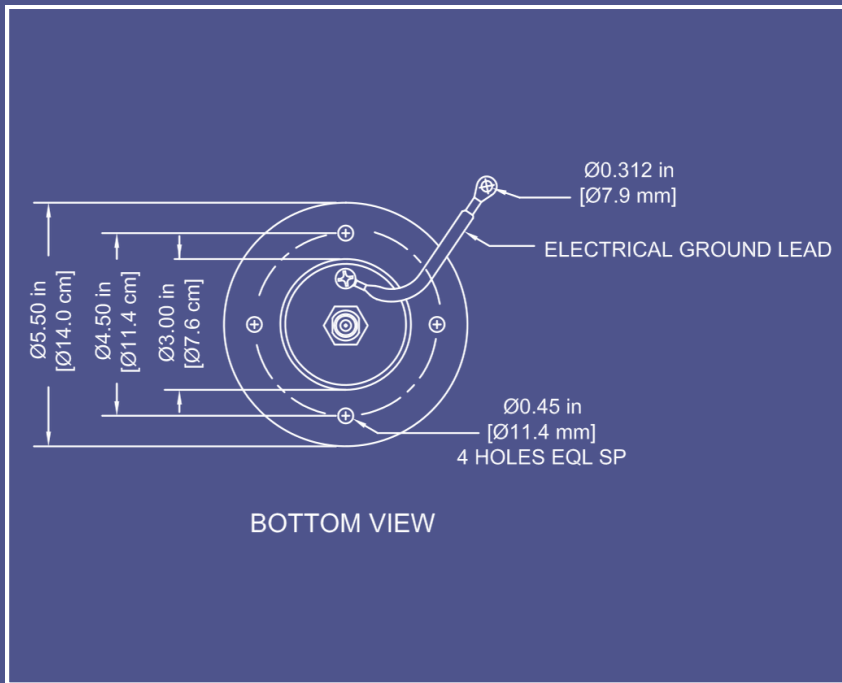
Primarily vehicular, but rugged enough for harsh environments, including shipboard installations



VMB-3512-4

Multi-band Vehicular Whip Antenna

PN: VMB-3512-4



KEY CHARACTERISTICS

VMB-3512-4

Frequency Range (no tuner) 30 MHz – 512 MHz

Power 0.1 KW

Height 139.6 in

Weight 11 lbs

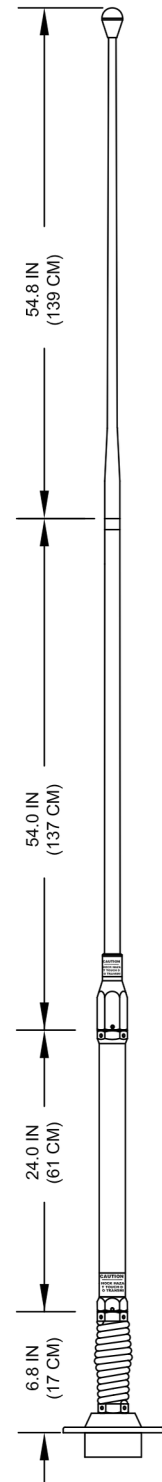
VSWR $\leq 3.5:1$

Polarization Vertical

Azimuth Coverage Omnidirectional

Integral Base / Insulator Epoxy Fiberglass

The VMB-3512-4 is a high-performance multi-band whip antenna system built with rugged fiberglass construction, wideband capability, and high-voltage isolation for safe, reliable vehicular and tactical use.



IDEAL FOR:

- Vehicular-mounted military communications
- VHF + UHF tactical operations
- JTRS and wide spectrum countermeasure systems
- Deployments requiring one antenna to replace multiple setups

Wide Spectrum Multi-Band Antenna

The VECM-2200 is a versatile wide-spectrum vehicular whip antenna designed for HF and VHF communications, providing high power handling and rugged reliability for demanding environments.



BROADBAND COVERAGE

Operates from 20 MHz to 200 MHz with no tuner required



DURABILITY AND RELIABILITY

Designed for durability and reliability in demanding conditions



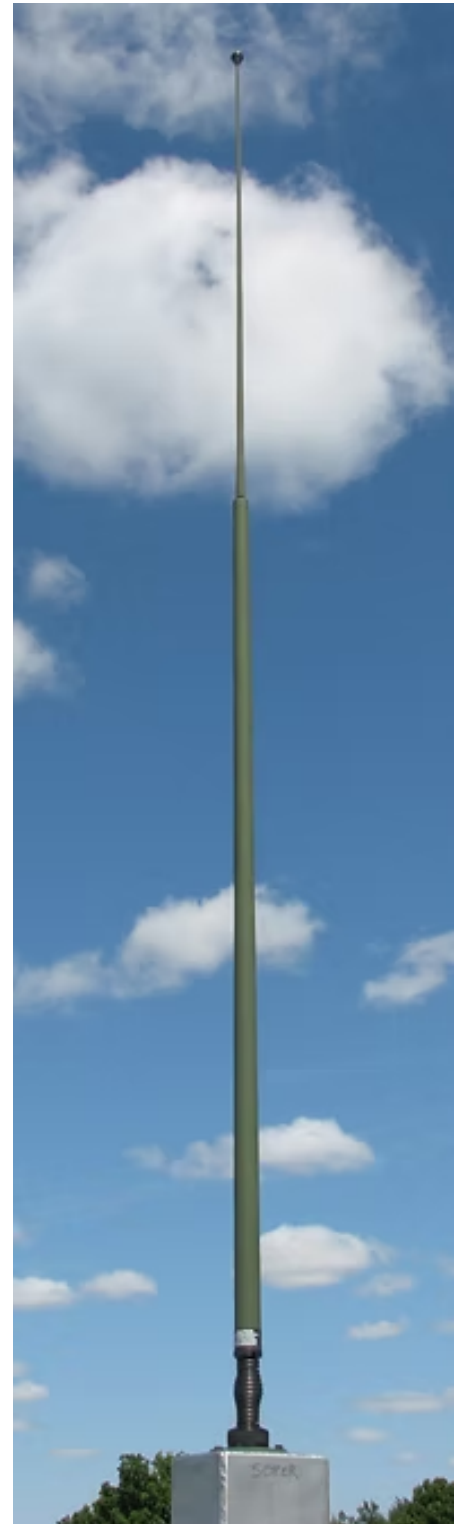
LIGHTNING PROTECTION

Upper whip provides 10kV isolation for safety



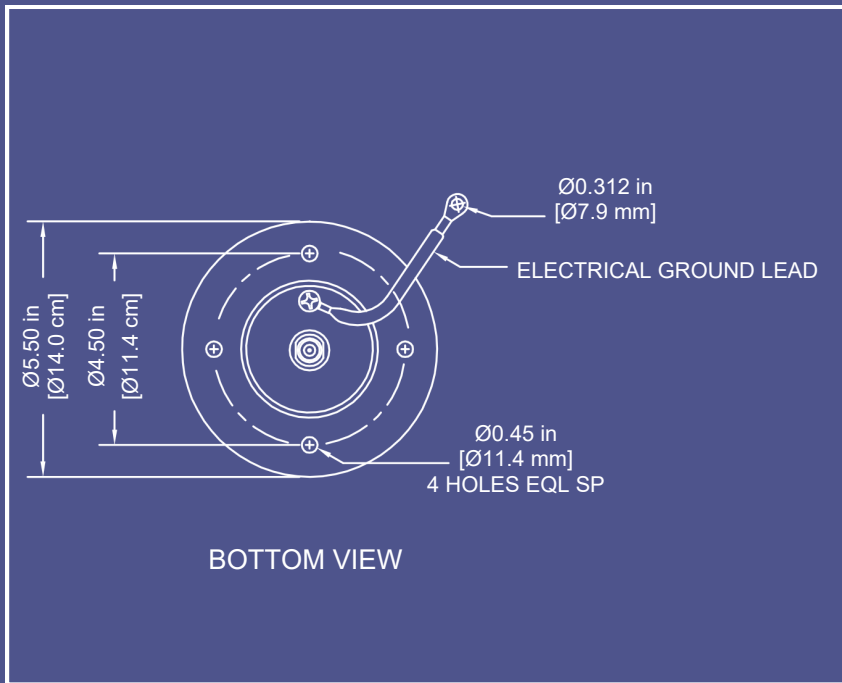
SHIPBOARD ANTENNAS

Suitable for vehicular and shipboard applications due to rugged design



VECM-2200

Wide Spectrum Multi-Band Antenna

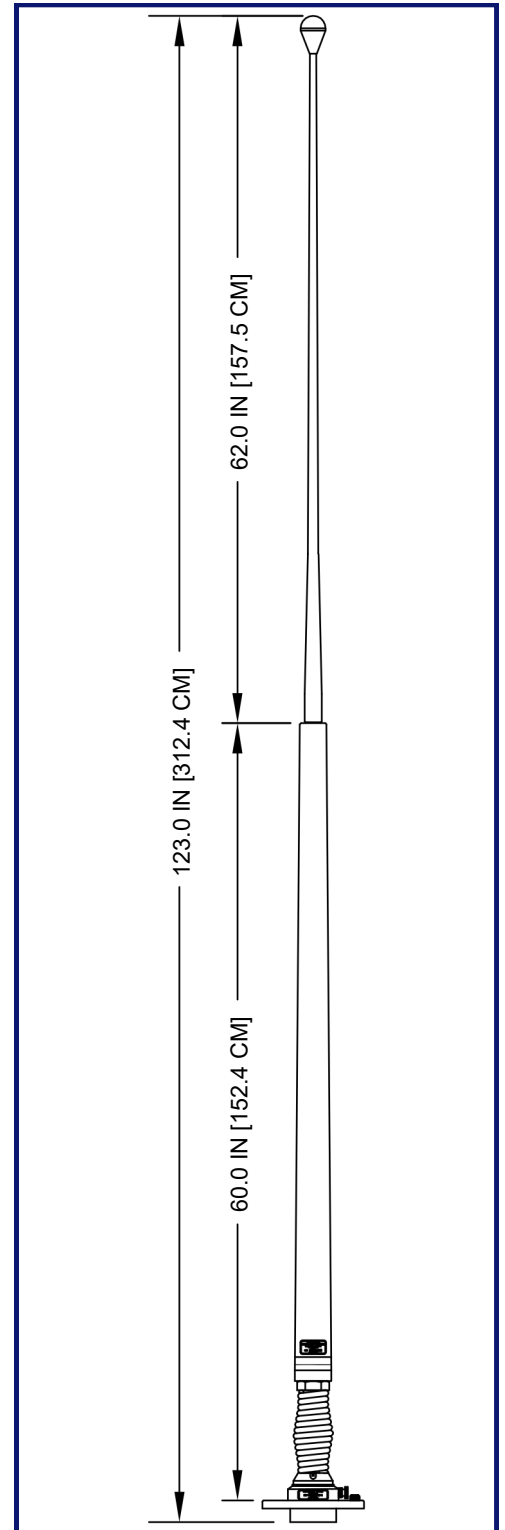


KEY CHARACTERISTICS

VECM-2200

Frequency Range (no tuner)	20 MHz – 200 MHz
Power	0.1 KW
Height	123 in
Weight	13 lbs
VSWR	3.5:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Not specified

A two-piece fiberglass whip antenna with integral matching networks, delivering broadband performance, ease of assembly, and safety in all operational conditions.



IDEAL FOR:

- HF and VHF communications
- Electronic countermeasure systems
- Replacing multiple antennas with a single unit
- Vehicular and shipboard installations