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Ultra High Frequency Antennas

At Valcom, our UHF antenna lineup supports a wide range of Ultra High Frequency communication needs across military, vehicular, tactical, and commercial systems. Our antennas are engineered for broadband, vertically polarized performance and are ruggedized for demanding environments, including mobile platforms and shipboard installations.

A good example is our UHF Monopole antenna, which operates from 220 MHz to 400 MHz and features a durable, weather-resistant design with low VSWR for dependable transmit and receive performance in tactical and mobile applications. Overall, our UHF antennas reflect Valcom's commitment to communication-grade engineering—delivering reliable, durable solutions wherever dependable UHF connectivity is critical.

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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.

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Multi-Band Dipole Antenna

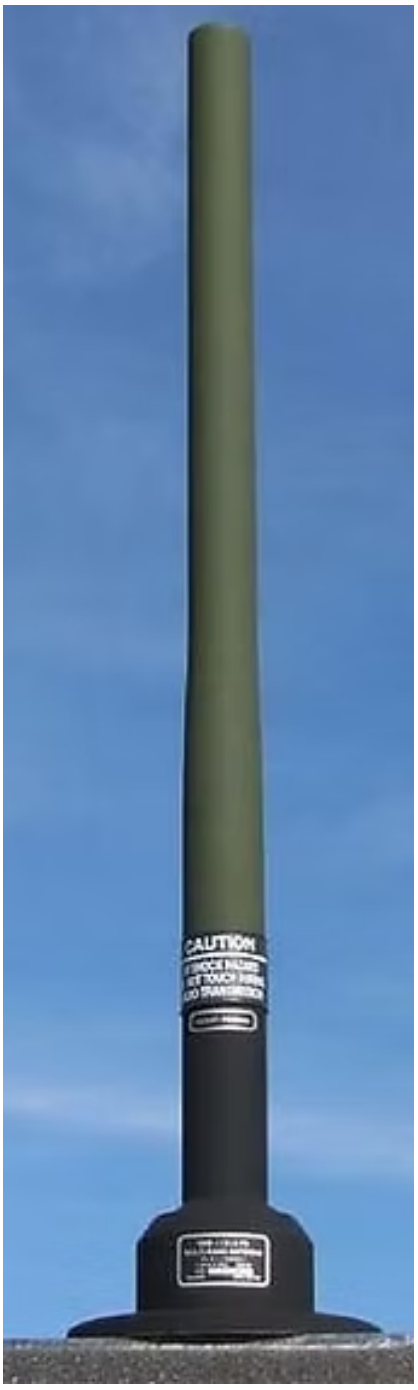
The VMB-11512-FB is a lightweight, rugged multi-band antenna (115–512 MHz) designed for fixed stations on buildings or masts, supporting modern frequency-agile radios.

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

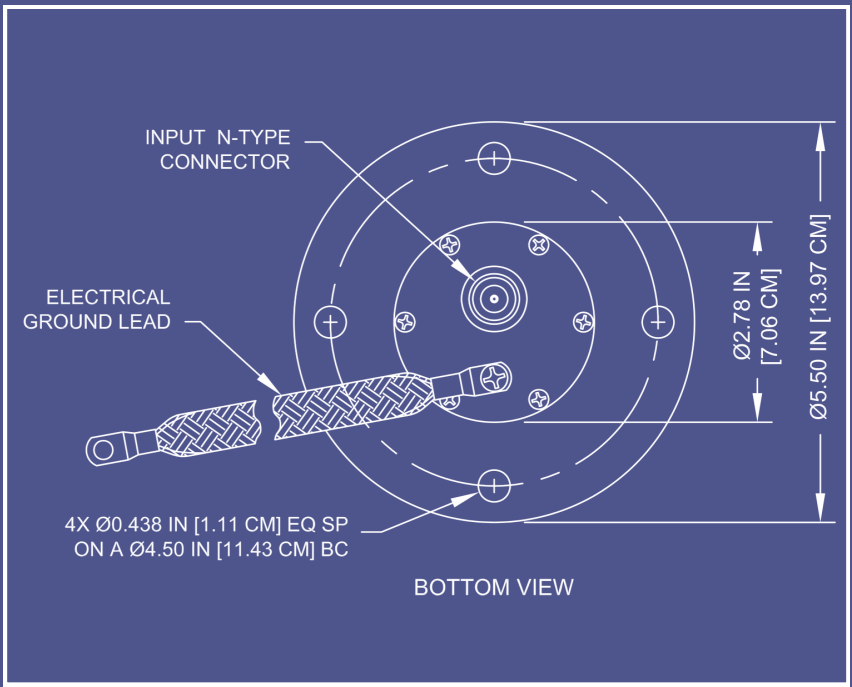


VMB-11512-FB

Multi-Band
Dipole Antenna

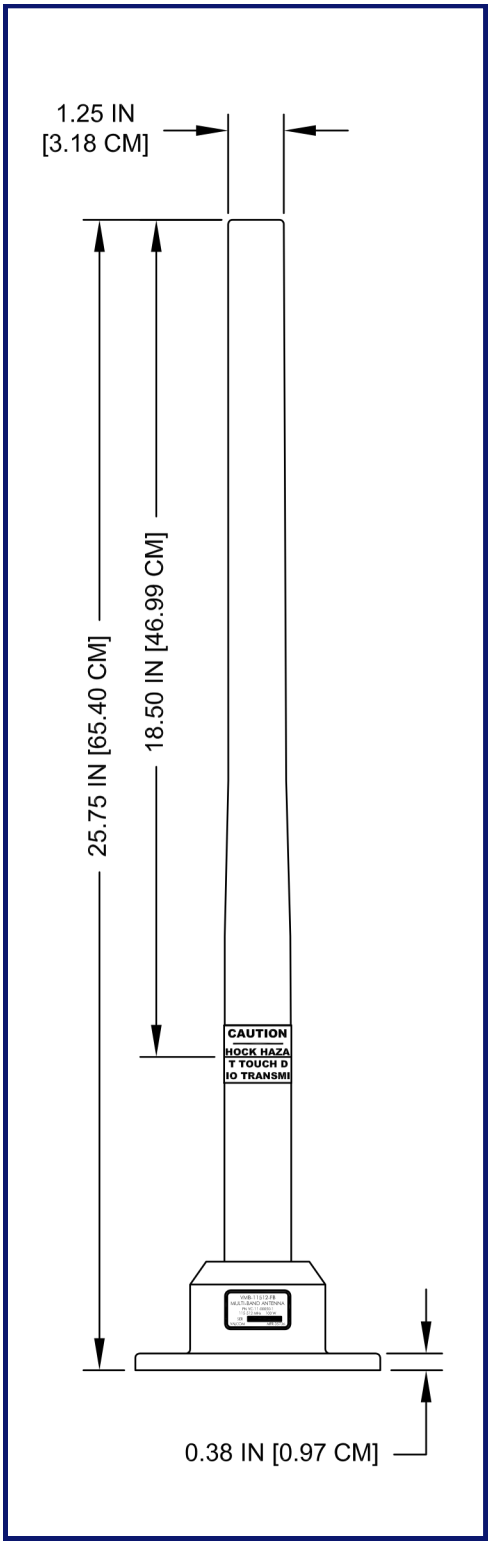
PN: VC-11-00050-1

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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

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Broadband Vertical Dipole Antenna

The AS-2810C/SRC is a rugged, lightweight UHF dipole antenna for 225–400 MHz broadband use. Built for shipboard and harsh environments, it supports transmit/receive with high power handling and weatherproof durability.

BROADBAND COVERAGE
Operates from 225 to 400 MHz with no tuner required

DURABILITY AND RELIABILITY
Designed for severe environmental conditions

WEATHERPROOF CONSTRUCTION
Sealed and suitable for naval applications

SHIPBOARD ANTENNAS
Specifically designed for shipboard applications

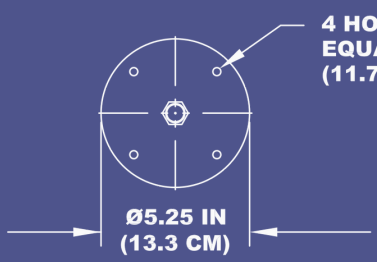


AS-2810C/SRC

Broadband Vertical Dipole Antenna

PN: AS-2810C/SRC

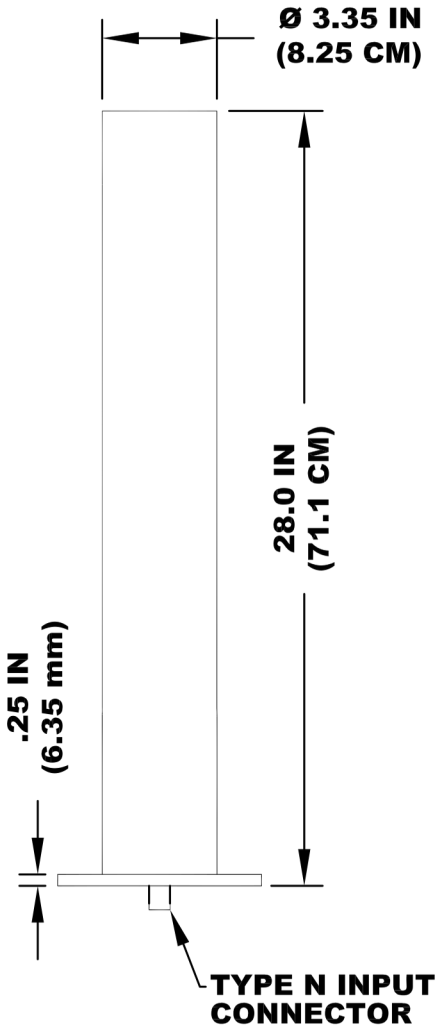
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BOTTOM VIEW

KEY CHARACTERISTICS	AS-2810C/SRC
Frequency Range (no tuner)	225 MHz to 400 MHz
Power	0.5 KW
Height	28 in
Weight	5.5 lbs
VSWR	≤ 2.0:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Epoxy Fiberglass

The AS-2810C/SRC is a vertical, omnidirectional dipole antenna in a durable fiberglass radome, ideal for reliable naval communications across a wide frequency range—no tuner required.



IDEAL FOR:

- Naval and shipboard communications
- Harsh or demanding environments
- Systems requiring no tuner

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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

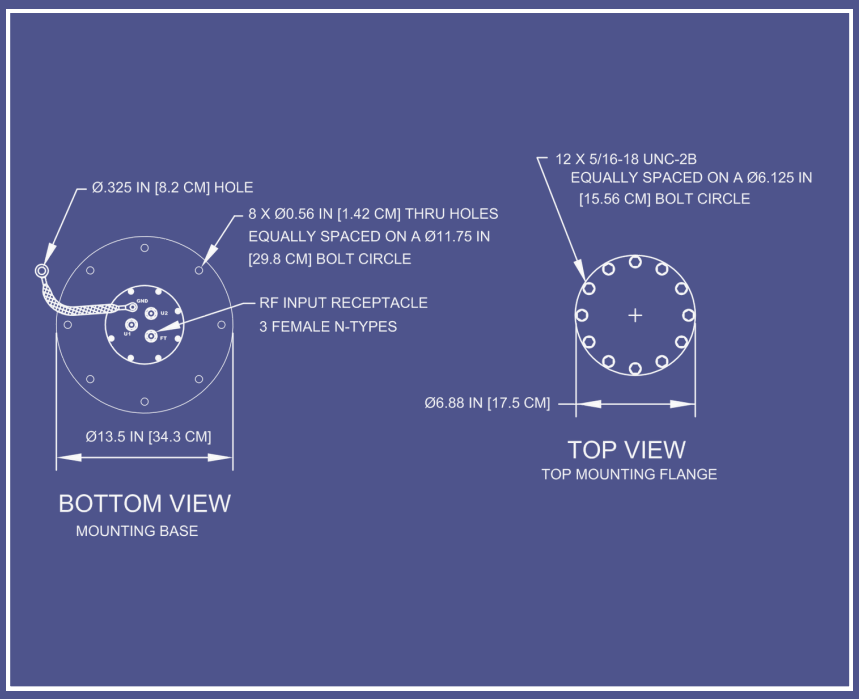


AS-4163/URC

Dual Channel UHF Dipole Antenna

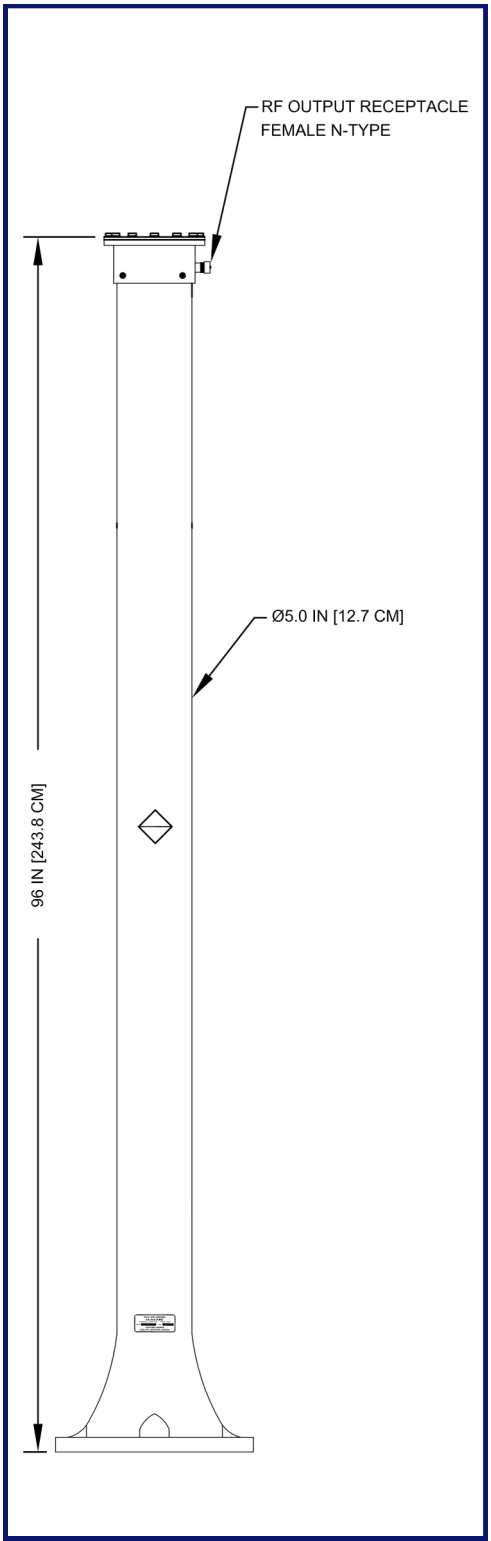
NSN: 5985-01-338-9509

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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)

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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

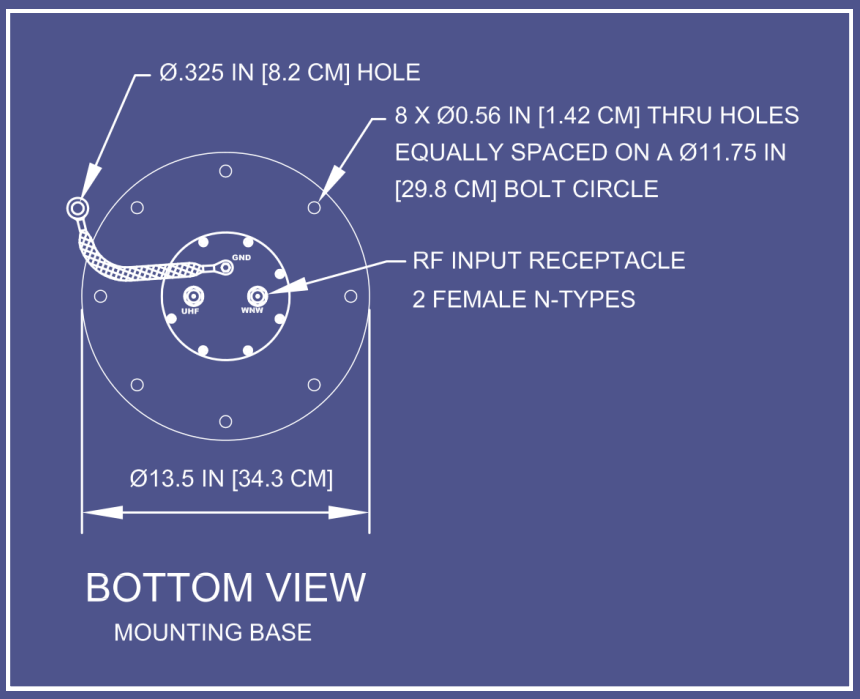


VAS-4163

Dual Channel UHF/WNW Dipole Shipboard Antenna

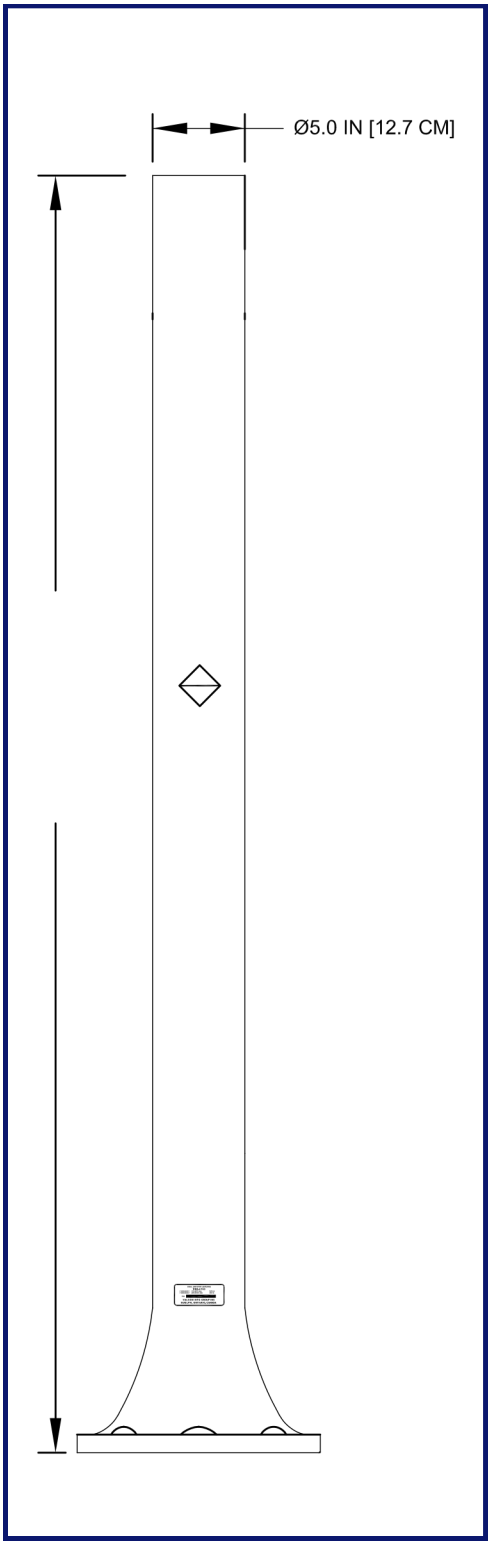
PN: VD-17-00070-1

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KEY CHARACTERISTICS	AS-4163/URC
Frequency Range (no tuner)	225–2000 MHz (UHF/WNW)
Power	1000 W (UHF), 300 W (WNW)
Height	75 in
Weight	34 lbs
VSWR	UHF ≤ 3.0:1, WNW ≤ 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

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UHF Vehicular Antenna

The VAS-450 is a rugged UHF vehicular antenna (225–450 MHz) built for military use, offering wideband performance and reliable operation in harsh conditions.

BROADBAND COVERAGE
Operates from 225 to 450 MHz UHF wideband coverage

DURABILITY AND RELIABILITY
Resists high wind (100 mph) and impact (25 blows @ 25 mph)

WEATHERPROOF CONSTRUCTION
All-weather rugged construction

VEHICULAR APPLICATIONS
This is a vehicular antenna (used on military vehicles)

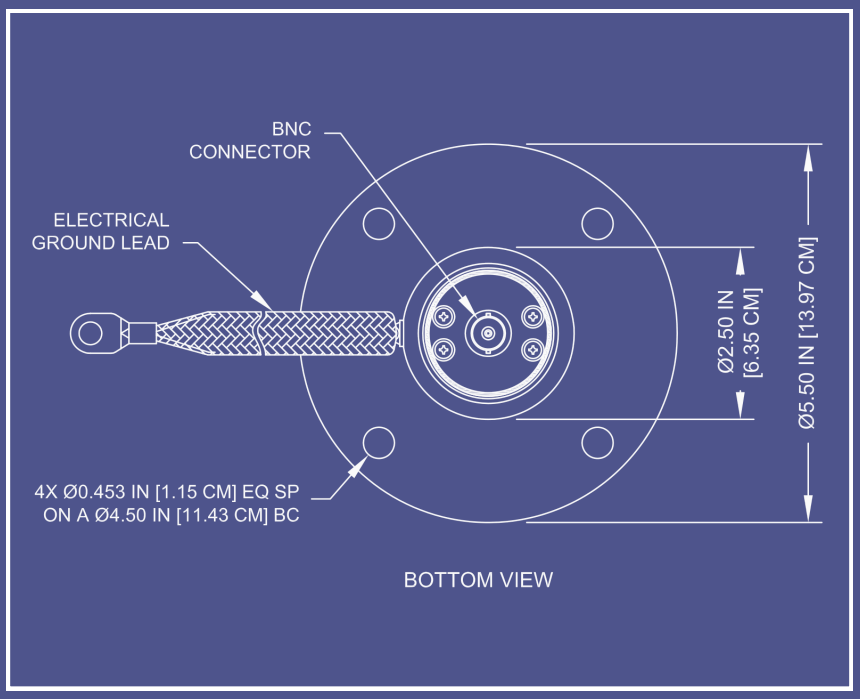


VAS-450

UHF Vehicular Antenna

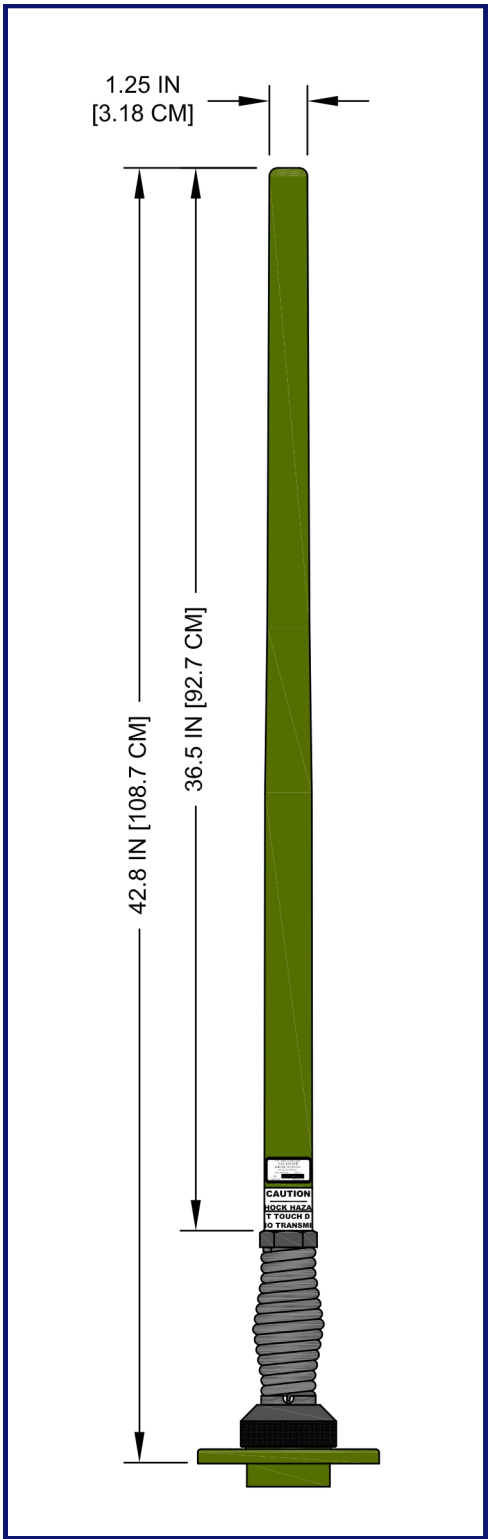
NSN: 5985-20-005-2606

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KEY CHARACTERISTICS	VAS-450
Frequency Range (no tuner)	225–450 MHz
Power	0.2 KW
Height	42.8 in
Weight	7.2 lbs
VSWR	≤ 2.5:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Fiberglass

A vertically polarized, omnidirectional dipole whip antenna with wideband tuning. Its fiberglass and aluminum design ensures durability for mobile military communications.



IDEAL FOR:

- Military and tactical vehicle communications
- Harsh environments with extreme temperatures or impact conditions
- Quick deployment and easy field replacement

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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.

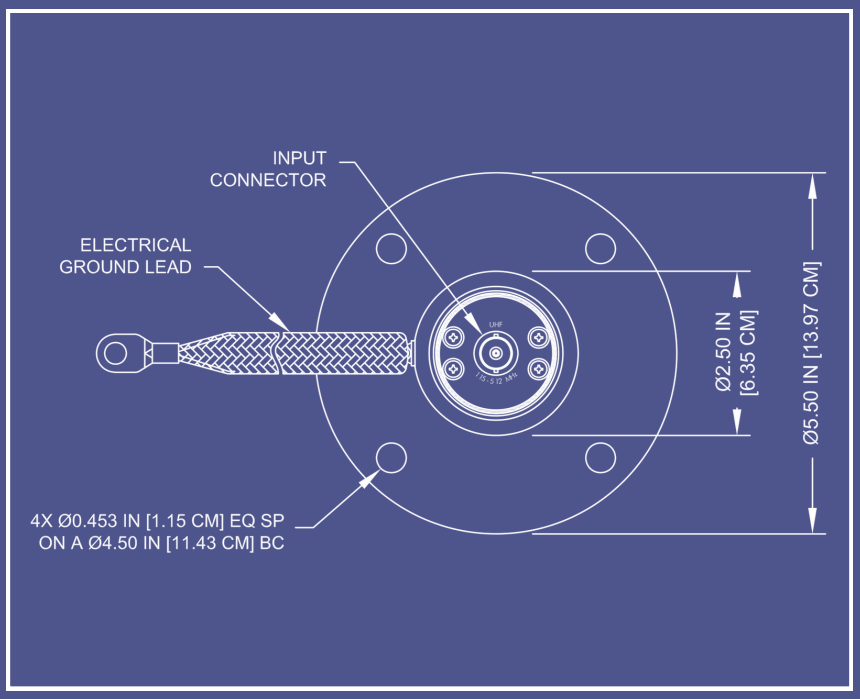


VMB-11512

Multi-Band Vehicular Whip Antenna

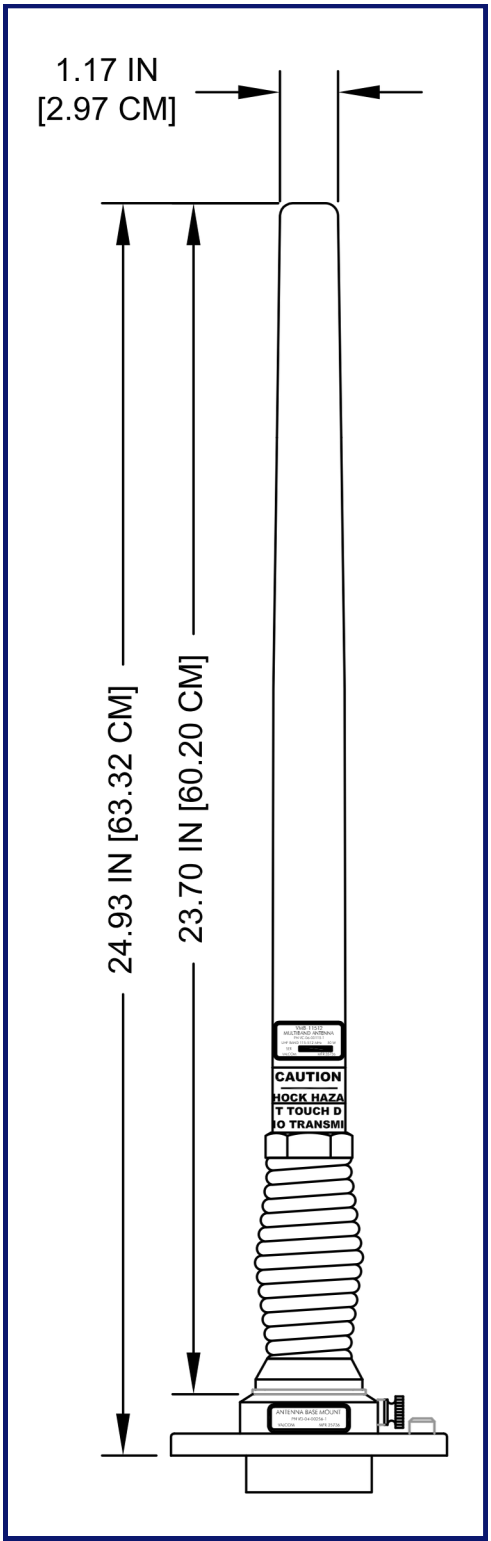
NSN: 5985-20-003-1086

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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

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SATCOM-ON-THE-MOVE

The VSAT-2432 is a rugged, omnidirectional SATCOM antenna designed for on-the-move applications. Covering 240–320 MHz, it delivers reliable connectivity with low-angle performance, perfect for mobile military platforms.

BROADBAND COVERAGE
Operates from 240–320 MHz with no tuner required

DURABILITY AND RELIABILITY
Weather-resistant and built for rugged, mobile environments

WEATHERPROOF CONSTRUCTION
Made to withstand harsh weather

SHIPBOARD ANTENNAS
Not ship-rated, but rugged and adaptable for mobile naval use

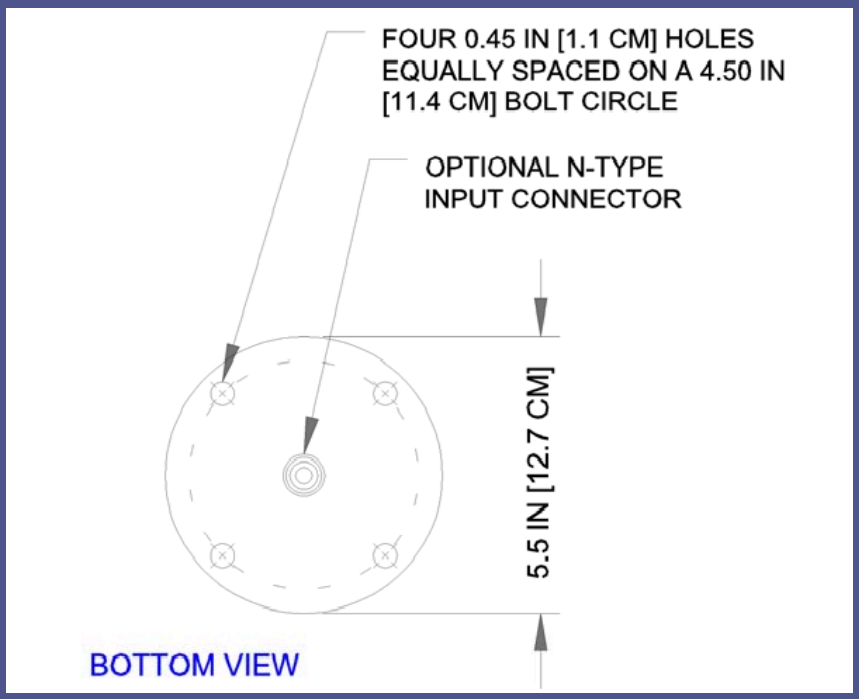


VSAT-2432

SATCOM-ON-THE-MOVE

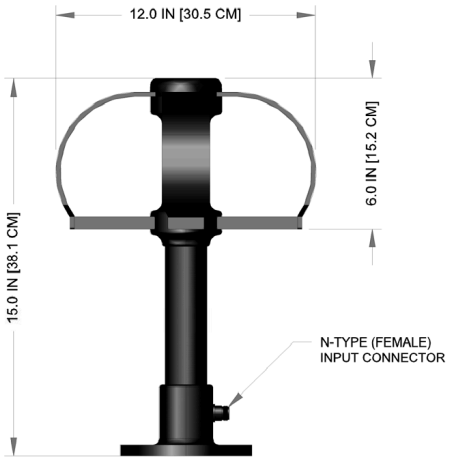
PN: VSAT-2432

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KEY CHARACTERISTICS	VSAT-2432
Frequency Range (no tuner)	240 – 320 MHz
Power	0.1 KW
Height	15 in
Weight	5 lbs
VSWR	1.5:1
Polarization	RH Circular
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Epoxy Fiberglass

A low-horizon, right-hand circular polarized SATCOM antenna with integrated mounting and optional radome protection—engineered for high-mobility military and vehicular use.



IDEAL FOR:

- Military SATCOM-on-the-move (SOTM)
- Rapid deployment scenarios
- Vehicle-based communication systems

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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

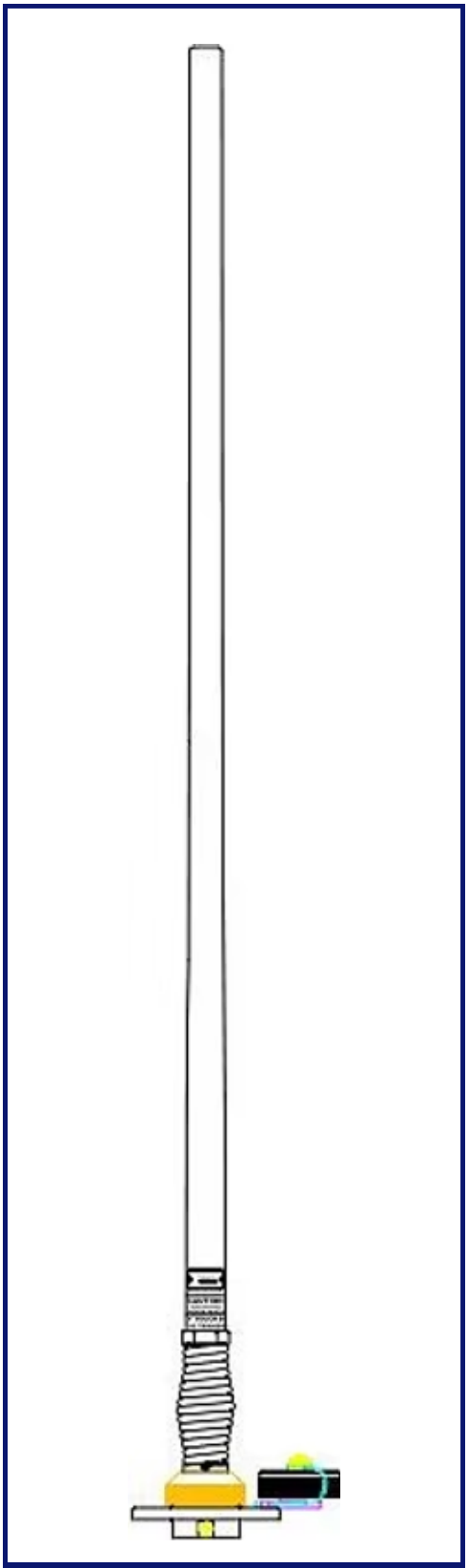
Weatherproof with integrated base support spring

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



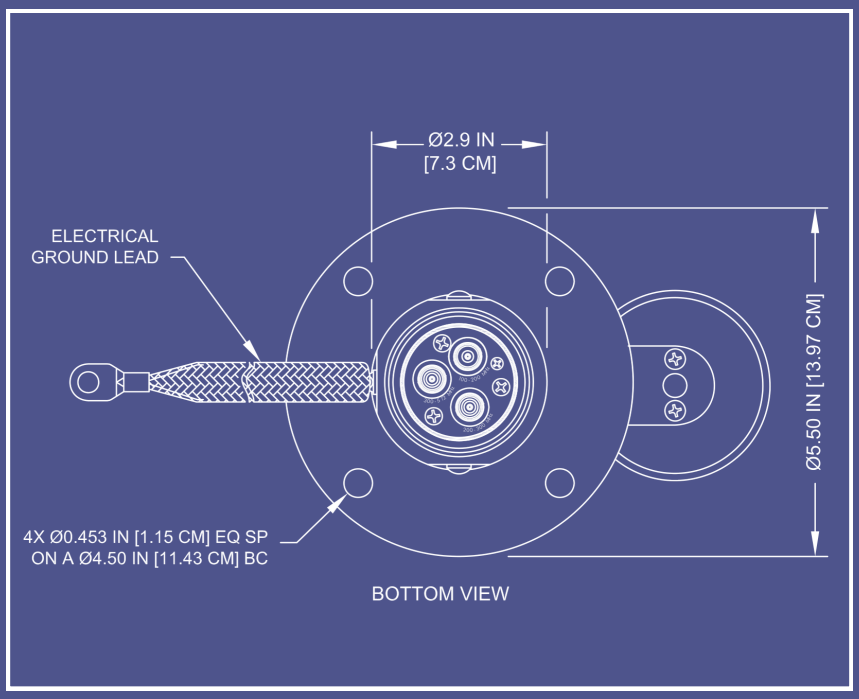
V3B-100512

Tri-Band Antenna

PN: VD-07-00125-1

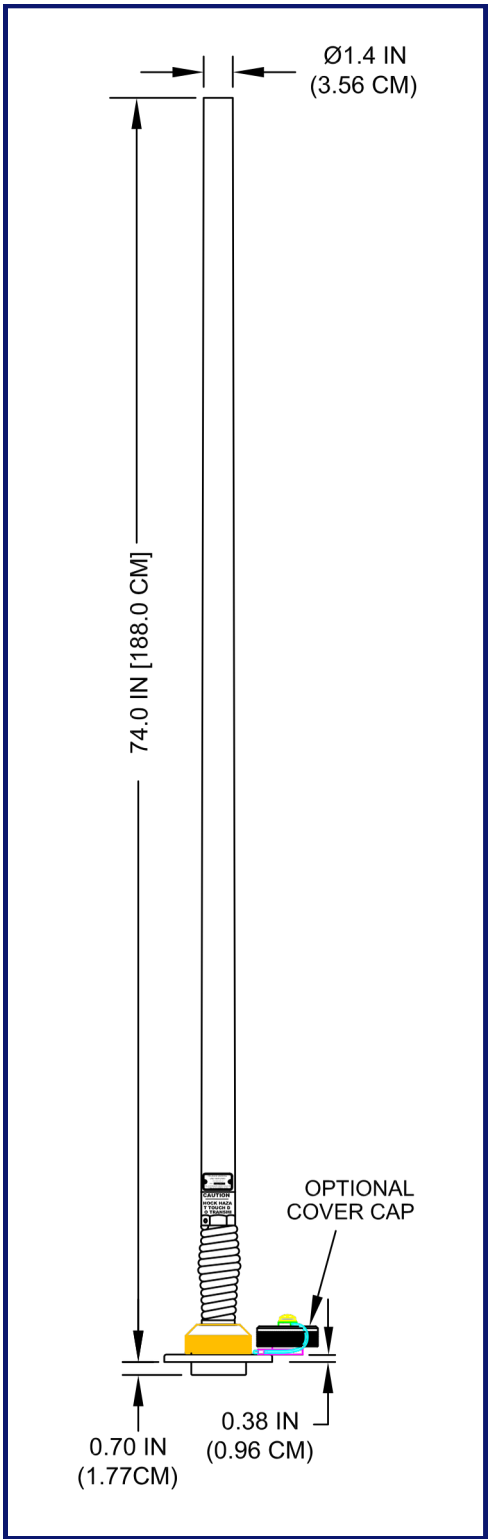
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KEY CHARACTERISTICS	V3B-100512
Frequency Range (no tuner)	100–200 MHz, 200–300 MHz, 300–512 MHz
Power	0.1 KW 0.2 - 0.3 KW
Height	74 in
Weight	12 lbs
VSWR	3.5:1 3.0:1 2.5:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	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

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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

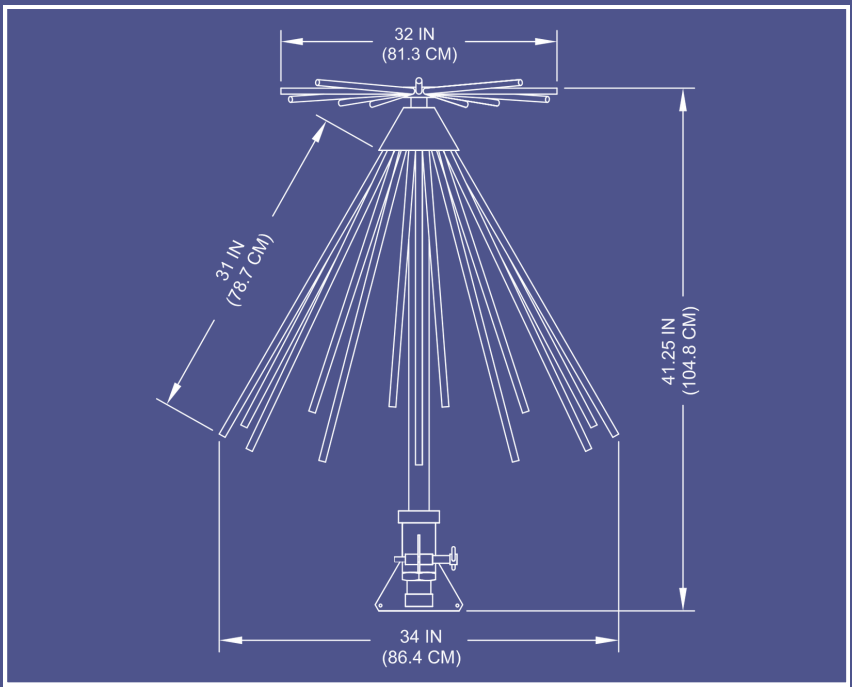


VDA-3231

VHF/UHF Discone Antenna

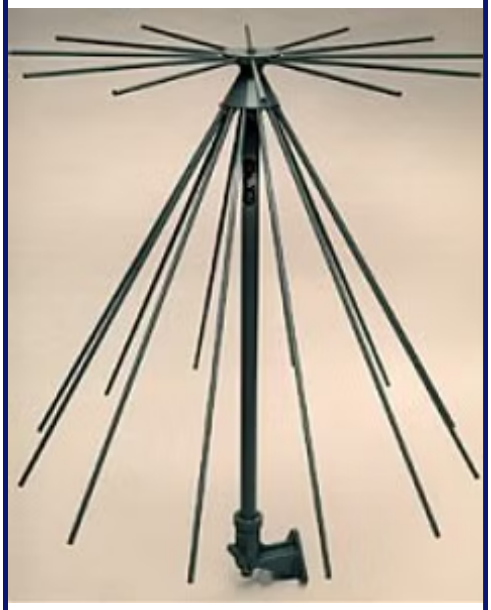
PN: VDA-3231

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KEY CHARACTERISTICS	VDA-3231
Frequency Range (no tuner)	80 MHz – 500 MHz
Power	1 KW
Height	41.25 in
Weight	10 lbs
VSWR	≤ 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

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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)

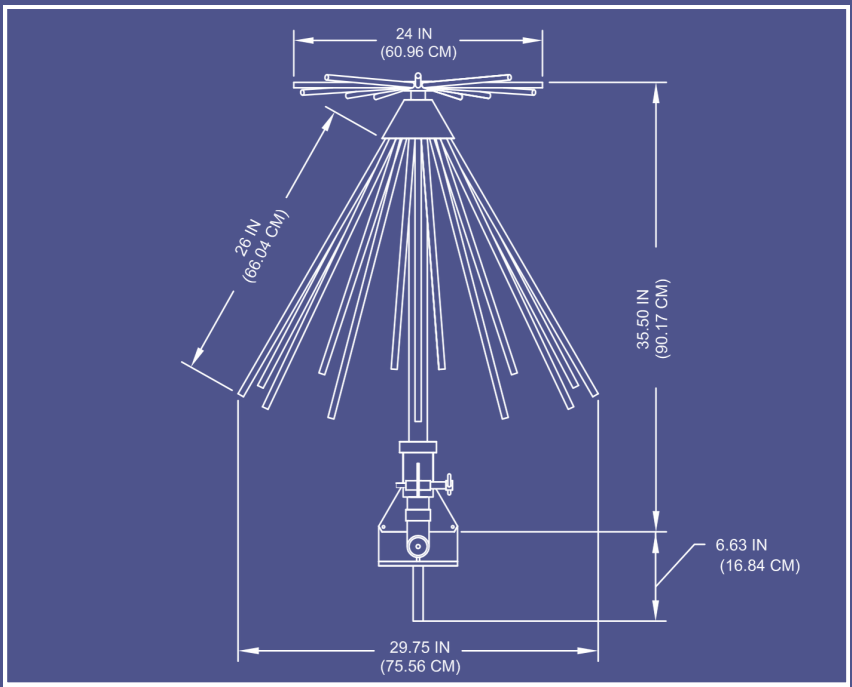


VDA-3231A

VHF/UHF Discone Antenna

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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 discone 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

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VHF/UHF Discone Antenna

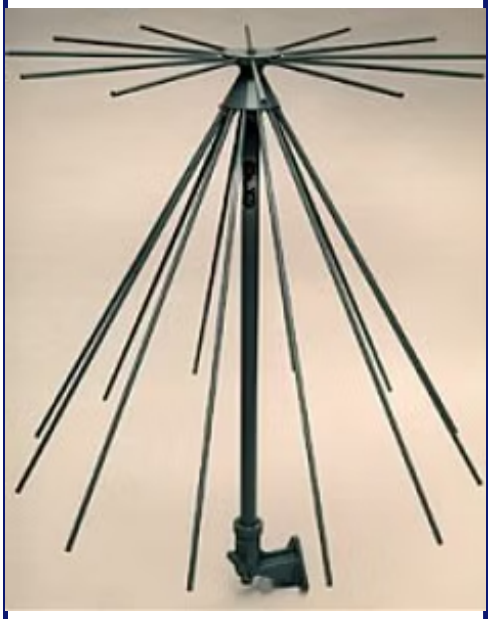
The VDA-2627 is a compact broadband VHF/UHF discone antenna with exceptional performance and reliability. Designed for signal receiving, monitoring, and directional transmitting, it is ideal for demanding applications requiring high power handling and rapid deployment.

BROADBAND COVERAGE
Operates from 108 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 and monitoring as well as directional transmitting applications

VEHICULAR APPLICATIONS
Antenna mounting options and rugged construction make it versatile

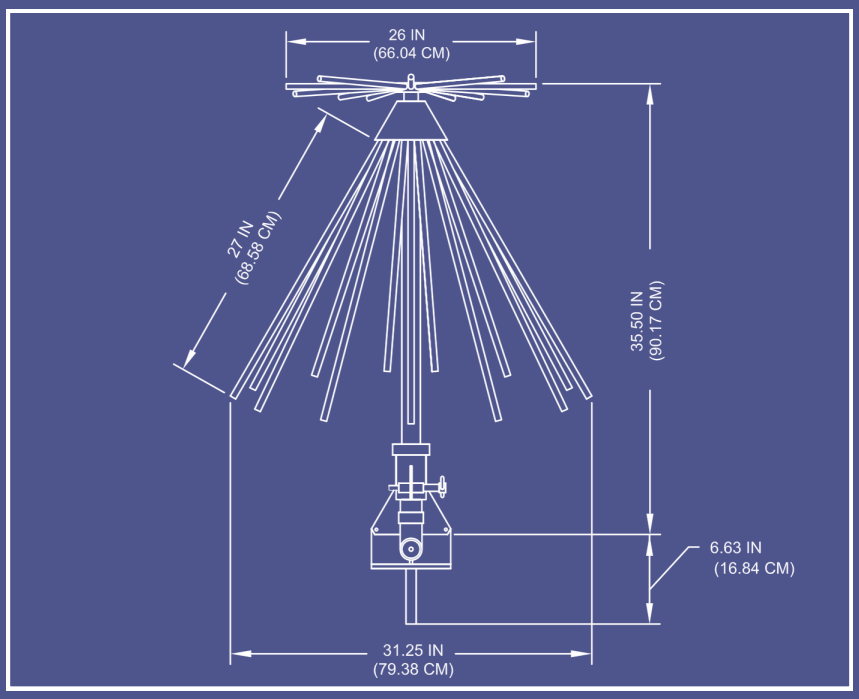


VDA-2627

VHF/UHF Discone Antenna

PN: VDA-2627

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KEY CHARACTERISTICS	VDA-2627
Frequency Range (no tuner)	108 MHz - 400 MHz
Power	1 KW
Height	27 in
Weight	12 lbs
VSWR	< 2.5:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Not specified

This versatile discone antenna supports a wide frequency range (108 MHz to 400 MHz) and is engineered for durability, lightweight portability, and multiple mounting configurations. Ideal for a variety of professional communication needs.



IDEAL FOR:

- Quick assembly/disassembly for flexible deployment
- Applications requiring high power handling
- Direction finding (DF) arrays
- Signal receiving and monitoring applications

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Naval Antenna

The VWI-FI-N is a rugged naval antenna designed for reliable Wi-Fi uplinks and downlinks in base station and shipboard applications. With wideband coverage, weatherproof construction, and simple installation, it ensures dependable performance in the most demanding environments.

BROADBAND COVERAGE

Operates from 2200 MHz to 2700 MHz with no tuner required

DURABILITY AND RELIABILITY

MIL-STD environmental standards (vibration, shock, humidity, solar radiation, salt fog, blowing rain, wind velocity up to 125 mph)

TRANSMIT AND RECEIVE

Dipole-style antenna supporting both transmit and receive functions for Wi-Fi base station applications

SHIPBOARD ANTENNAS

Naval application-specific; designed for reliable uplinks/downlinks in maritime environments.

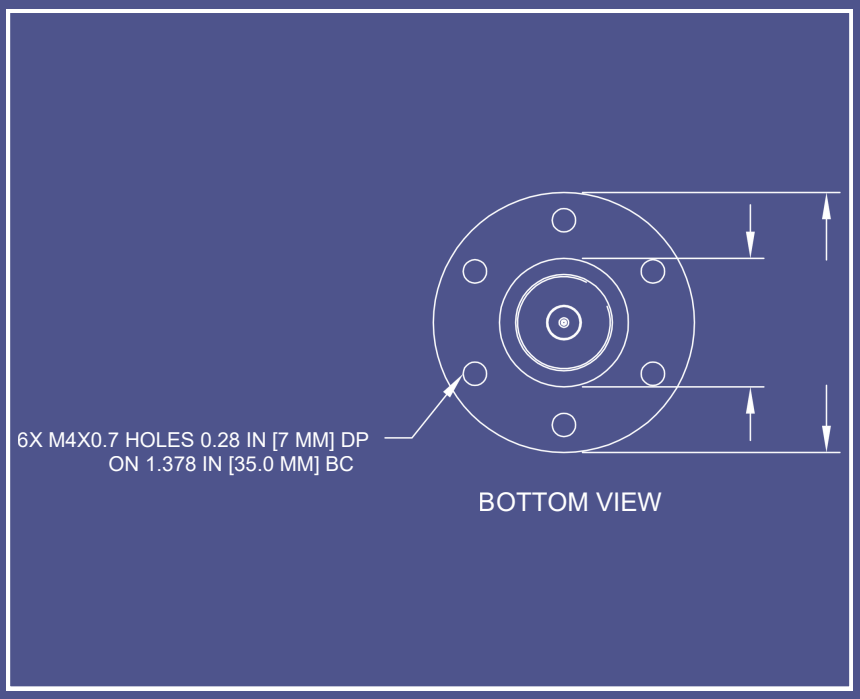


VWI-FI-N

Naval Antenna

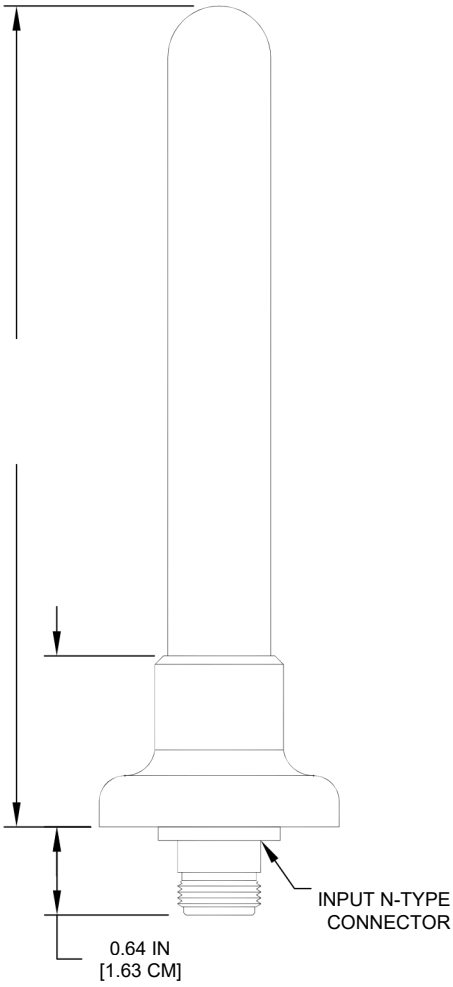
PN: VC-18-00012-1

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519-824-3220
sales@valcomguelph.com
175 Southgate Drive, Guelph



KEY CHARACTERISTICS	VWI-FI-N
Frequency Range (no tuner)	2200 MHz - 2700MHz
Power	0.025 KW
Height	6 in
Weight	0.4 lbs
VSWR	< 2.0:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Not specified

This dipole-style naval antenna is built for durability and efficiency, providing seamless transmit and receive capabilities. Its lightweight, weatherproof, and ground plane–independent design makes it ideal for both commercial and defense maritime communication systems.



IDEAL FOR:

- Base station Wi-Fi uplinks and downlinks
- Naval shipboard communication systems
- Applications needing lightweight, simple installation antennas

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Broadband Vertical Dipole Antenna

The VAS-700-HG is a rugged, self-supporting broadband UHF dipole antenna engineered for naval shipboard and shore-based applications. With wideband 700–800 MHz coverage, high power handling, and military-grade environmental compliance, it delivers reliable transmit and receive performance in the harshest conditions.

BROADBAND COVERAGE
Operates from 700 MHz to 800 MHz with no tuner required

DURABILITY AND RELIABILITY
Designed for severe environmental conditions aboard naval ships

LIGHTNING PROTECTION
DC grounded elements for lightning protection

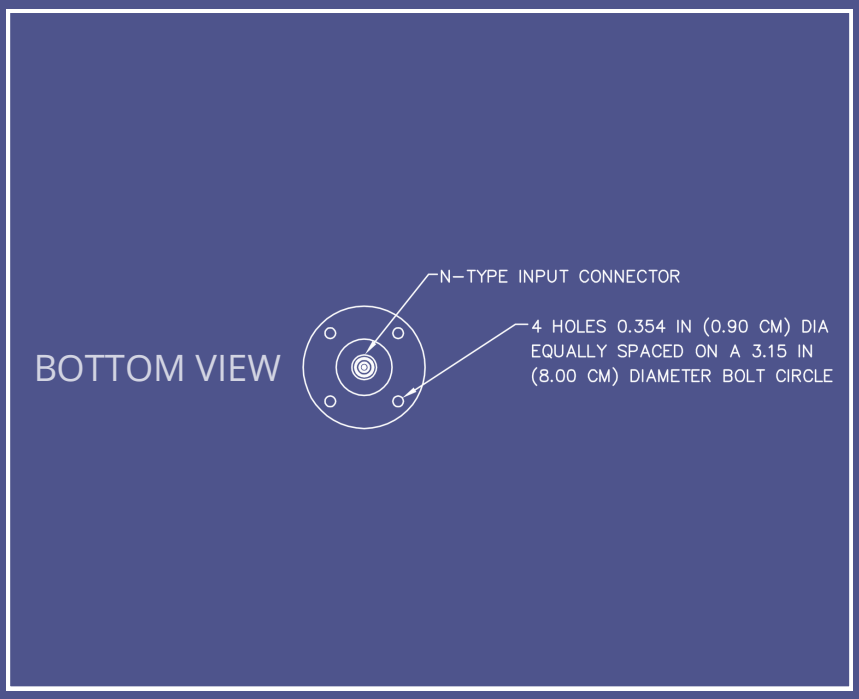
SHIPBOARD ANTENNAS
Specifically designed for shipboard or shore installation



VAS-700-HG

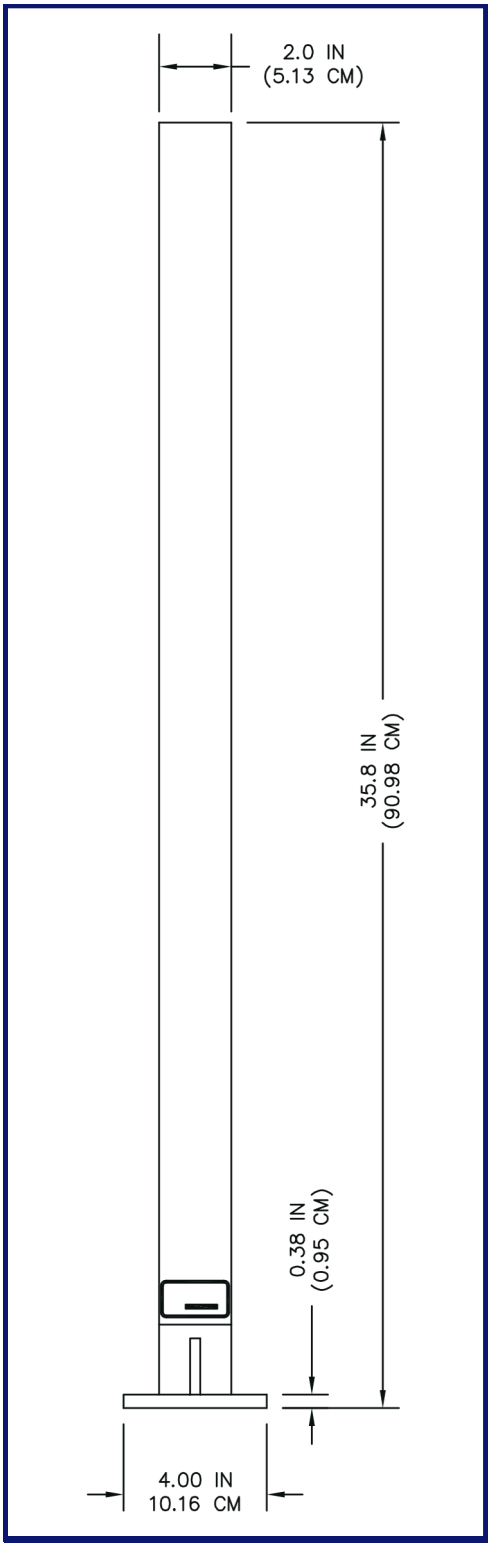
Broadband Vertical Dipole Antenna

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KEY CHARACTERISTICS	VAS-700-HG
Frequency Range (no tuner)	700 MHz – 800 MHz
Power	0.1 KW
Height	35.8 in
Weight	5.0 lbs
VSWR	2.0:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Epoxy Fiberglass

This vertical dipole antenna is lightweight, rugged, and fully weatherproof, making it ideal for shipboard, shore, and defense communication systems. Its broadband capability ensures versatile operation across mission-critical frequencies.



IDEAL FOR:

- Naval shipboard communication systems
- Shore-based installations
- Defense/military UHF applications
- Harsh environments requiring rugged, weatherproof antennas

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Broadband Vertical Dipole Antenna

The VAS-700 is a broadband UHF vertical dipole antenna built for naval and shore-based applications. With rugged fibreglass construction, high power handling, and military-standard compliance, it provides dependable transmit and receive performance across the 700–800 MHz band.

BROADBAND COVERAGE
Operates from 700 MHz to 800 MHz with no tuner required

DURABILITY AND RELIABILITY
Rugged, lightweight construction for severe environments

LIGHTNING PROTECTION
DC grounded elements for lightning protection

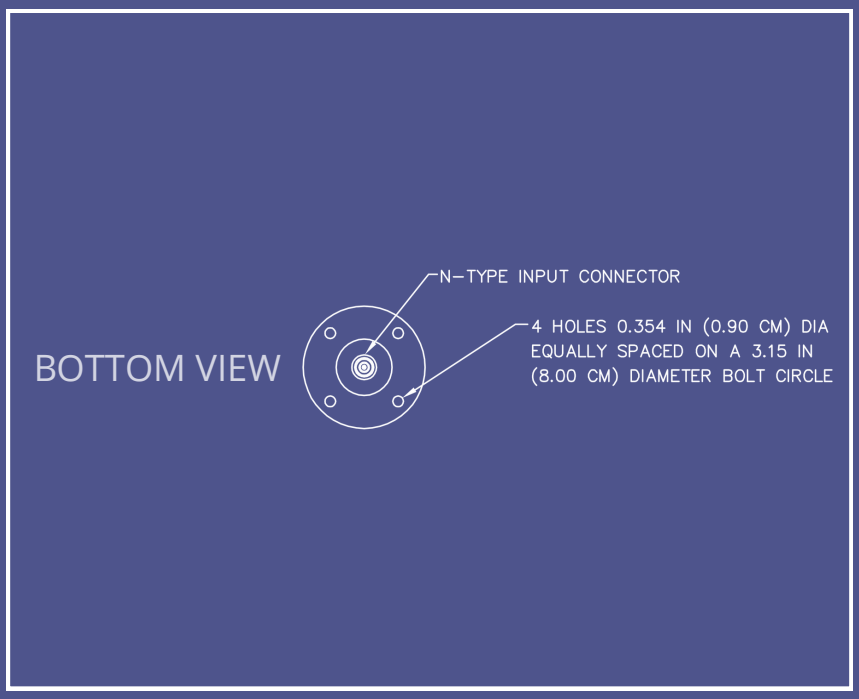
SHIPBOARD ANTENNAS
Designed for shipboard or shore installation, reliable in harsh naval environments



VAS-700

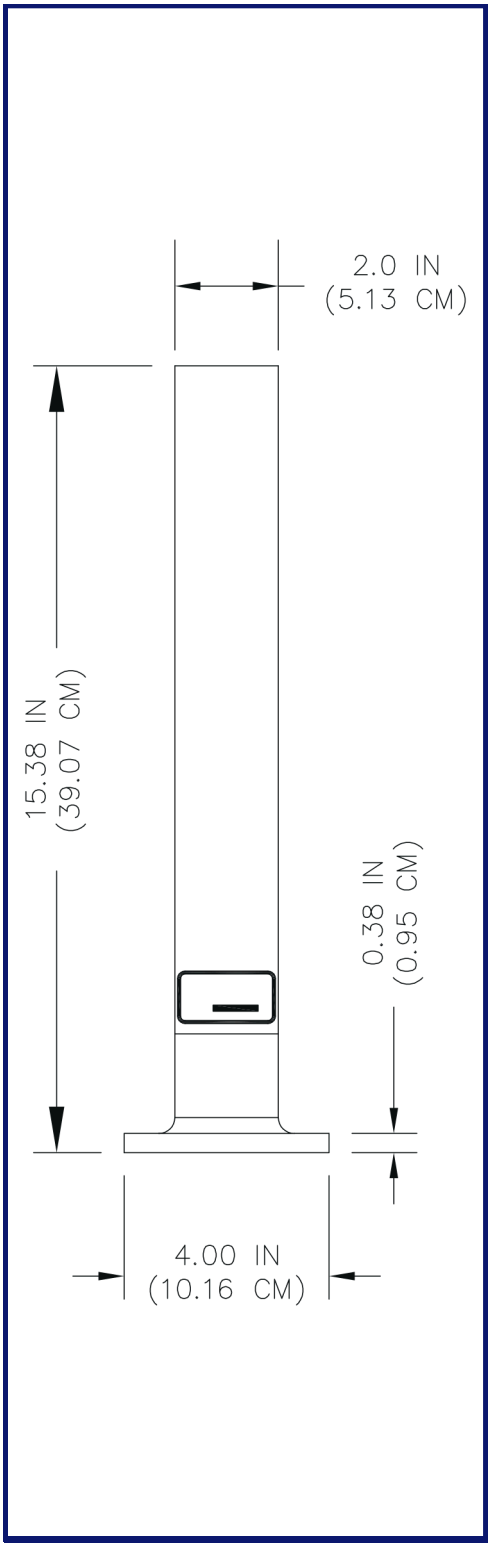
Broadband Vertical Dipole Antenna

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KEY CHARACTERISTICS	VAS-700
Frequency Range (no tuner)	700 MHz – 800 MHz
Power	0.1 KW
Height	15.38 in
Weight	5.0 lbs
VSWR	2.0:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Epoxy Fiberglass

This lightweight, weatherproof vertical dipole antenna is engineered for durability and reliability. Its broadband capability and MIL-tested ruggedness make it ideal for shipboard and shore communication systems.



IDEAL FOR:

- Naval shipboard communication systems
- Shore-based installations
- Defense/military UHF applications
- Harsh environments requiring rugged, weatherproof antennas

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UHF Dipole Plane Antenna

The AS-5042/URC is a rugged, lightweight UHF dipole antenna engineered for shipboard installations. Built to withstand extreme marine environments, it delivers reliable wideband performance and seamless transmit/receive capability.

BROADBAND COVERAGE
Operates from 220 MHz to 400 MHz with no tuner required

HIGH POWER HANDLING
Handles up to 200 W average RF power

WEATHERPROOF CONSTRUCTION
Weather-proof construction with ruggedized design for shipboard use

SHIPBOARD ANTENNAS
Designed for harsh naval shipboard installations; lightweight and rugged

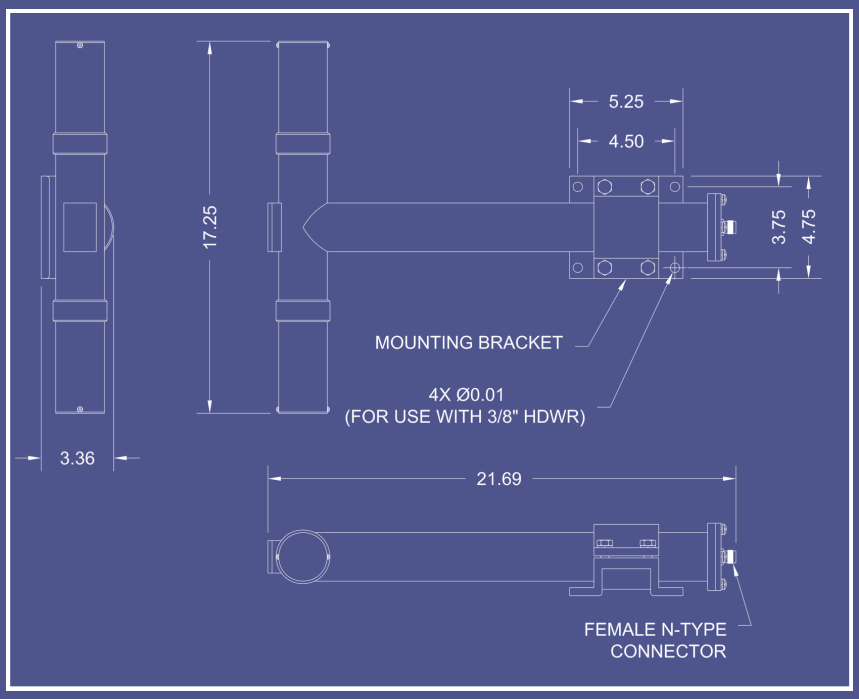


AS-5042/URC

UHF Dipole Plane Antenna

NSN: 5985-21-842-2403

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KEY CHARACTERISTICS	AS-5042/URC
Frequency Range (no tuner)	220 MHz – 400 MHz
Power	0.2 KW
Height	21.69 in (55.1 cm) L 17.25 in (43.8 cm) W 3.36 in (8.5 cm) D
Weight	4.5 lbs
VSWR	2:01
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Not specified

As a shipboard UHF dipole antenna, the AS-5042/URC is ideal for naval and maritime applications requiring robust communication solutions in the 220–400 MHz range.



IDEAL FOR:

- Naval and marine communications
- Shipboard installations
- Harsh environmental conditions
- Applications requiring omnidirectional UHF coverage

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SATCOM-ON-THE-MOVE

The Valcom VSAT-2432-SB is a rugged, omni-directional SATCOM antenna for shipboard use, delivering reliable low-horizon satellite communication across 240–320 MHz in harsh marine environments.

BROADBAND COVERAGE

Operates from 240 MHz to 320 MHz with no tuner required

DURABILITY AND RELIABILITY

Built for durability and reliability with weatherproof, salt-proof construction and MIL-S-901/MIL-STD-167 compliance

WEATHERPROOF CONSTRUCTION

Salt-proof and ruggedized for marine environments

SHIPBOARD ANTENNAS

Specifically designed for shipboard SATCOM-on-the-move use and excellent for low-horizon satellite communication in marine conditions



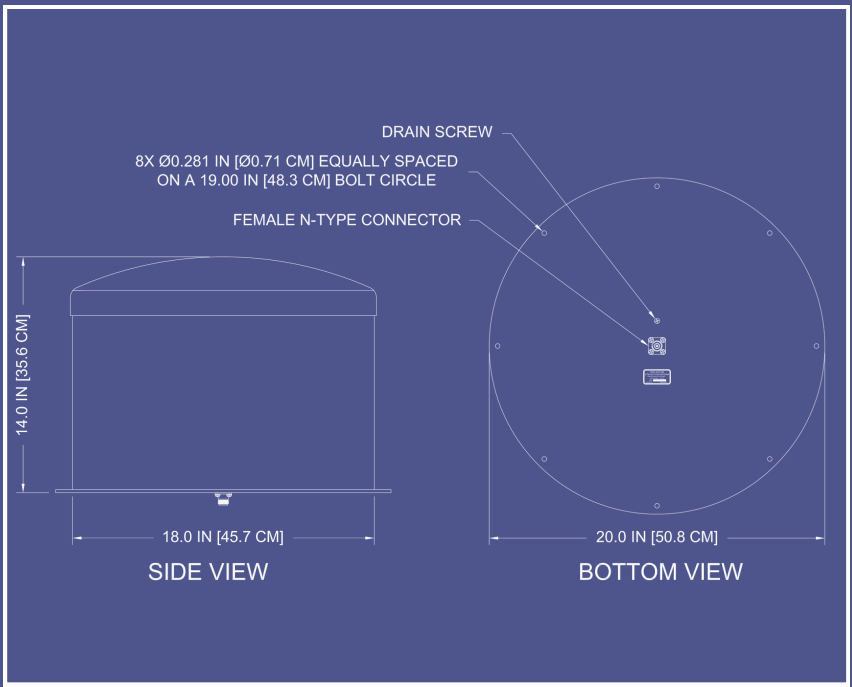
VSAT-2432-SB

SATCOM-ON-THE-MOVE

PN: VSAT-2432-SB

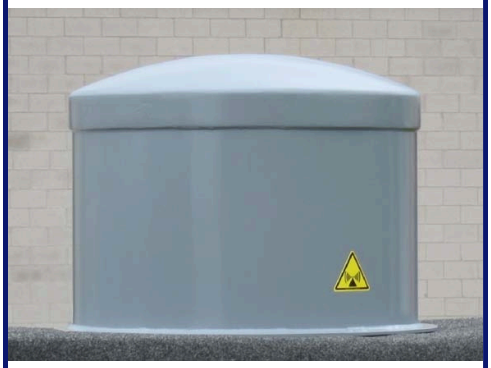
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KEY CHARACTERISTICS	VSAT-2432-SB
Frequency Range (no tuner)	240 MHz – 320 MHz
Power	0.05 KW
Height	14.0 in
Weight	21.5 lbs
VSWR	≤ 2.5:1
Polarization	Right-hand circular polarization (RHCP)
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Not specified

The VSAT-2432-SB is a right-hand circularly polarized, omni-directional low-horizon satellite communication antenna, optimized for high-performance SATCOM-on-the-move operations in naval and maritime applications.



IDEAL FOR:

- Naval and maritime SATCOM-on-the-move operations
- Platforms requiring low-profile, wideband, omni-directional SATCOM capability
- Harsh shipboard environments

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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



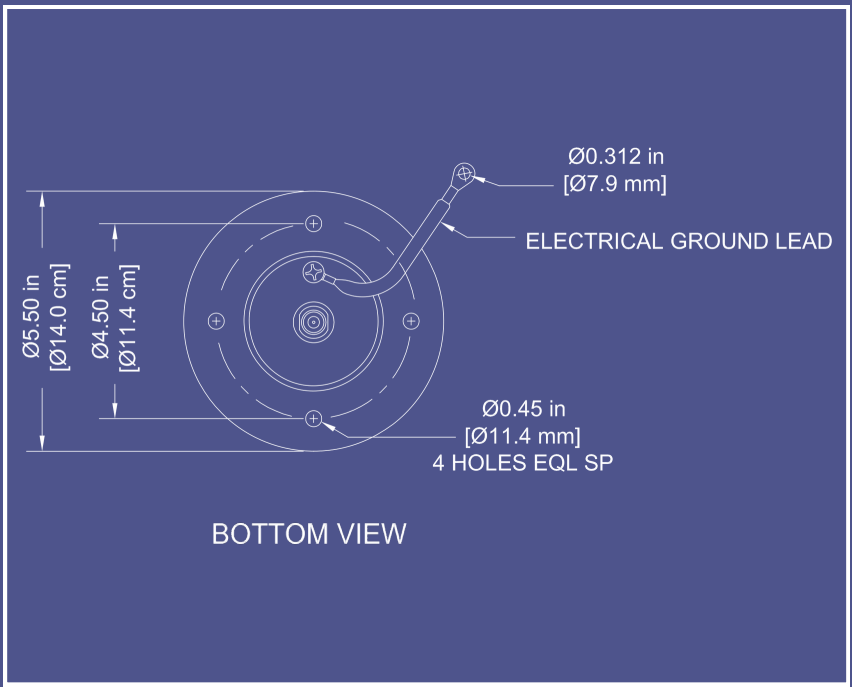
VECM-26000

SATCOM-ON-THE-MOVE

PN: VECM-26000

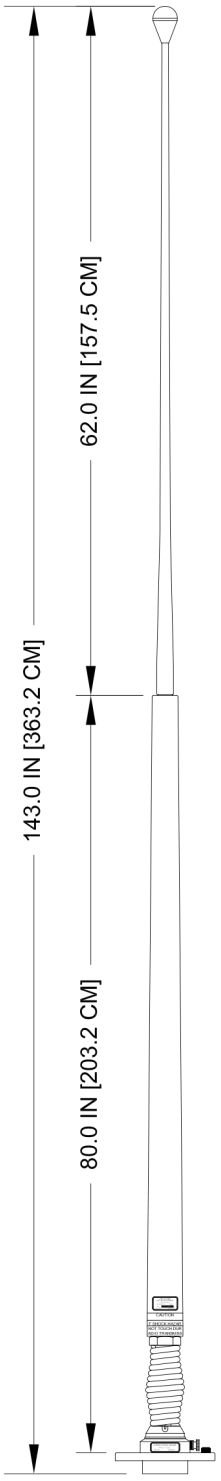
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KEY CHARACTERISTICS	VECM-26000
Frequency Range (no tuner)	20 MHz – 6000 MHz
Power	0.1 KW
Height	143 in
Weight	16.5 lbs
VSWR	3.5:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Epoxy Fiberglass

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

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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



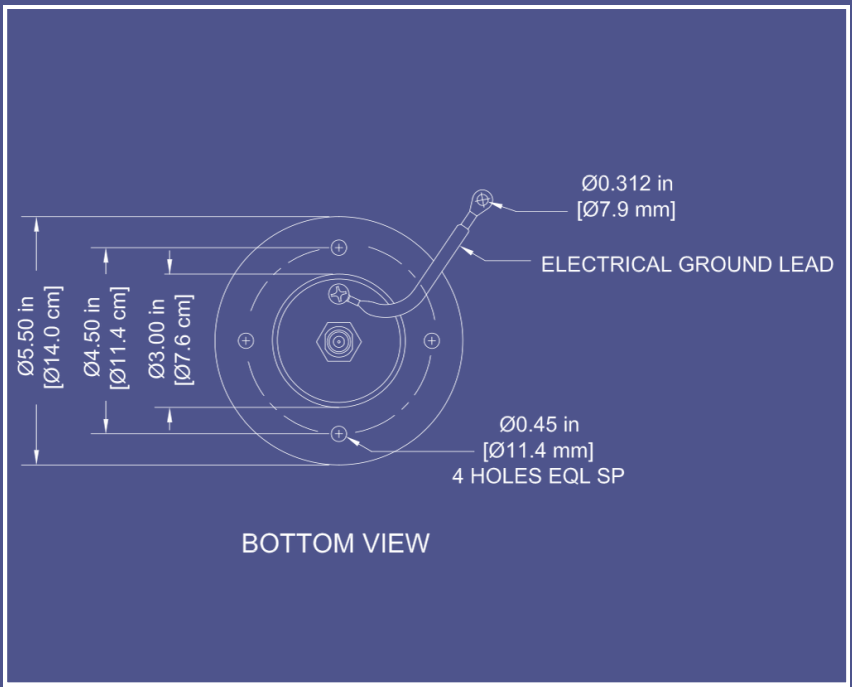
VMB-3512

Multi-Band Antenna

PN: VMB-3512

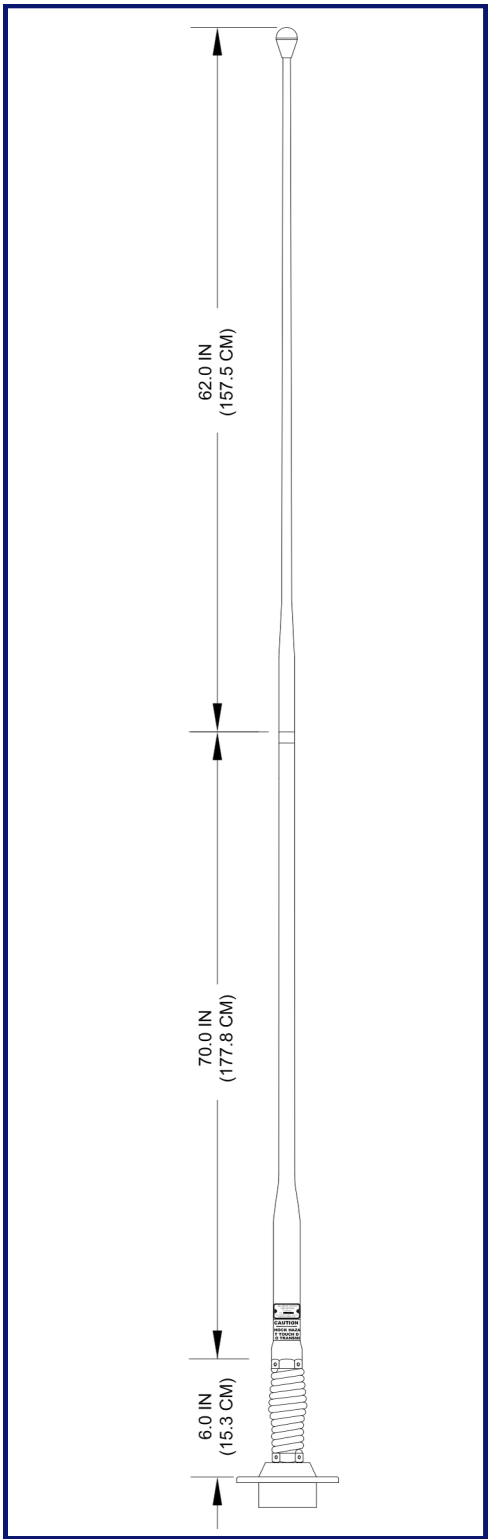
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KEY CHARACTERISTICS	VMB-3512
Frequency Range (no tuner)	30 MHz - 512 MHz
Power	0.1 KW
Height	138 in
Weight	10.5 lbs
VSWR	3.5:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Epoxy Fiberglass

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

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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

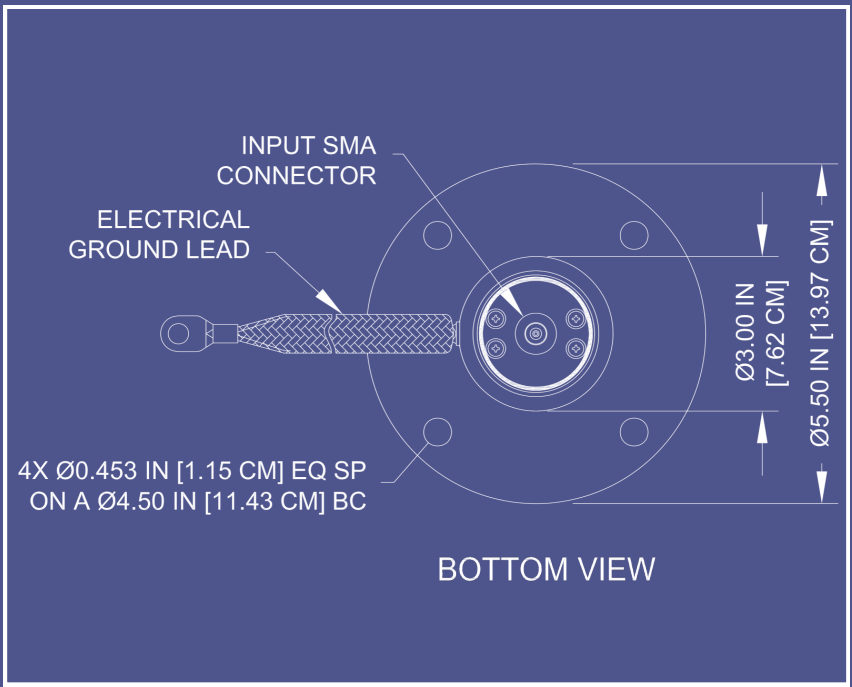


VWB-56000

UHF/SHF Antenna

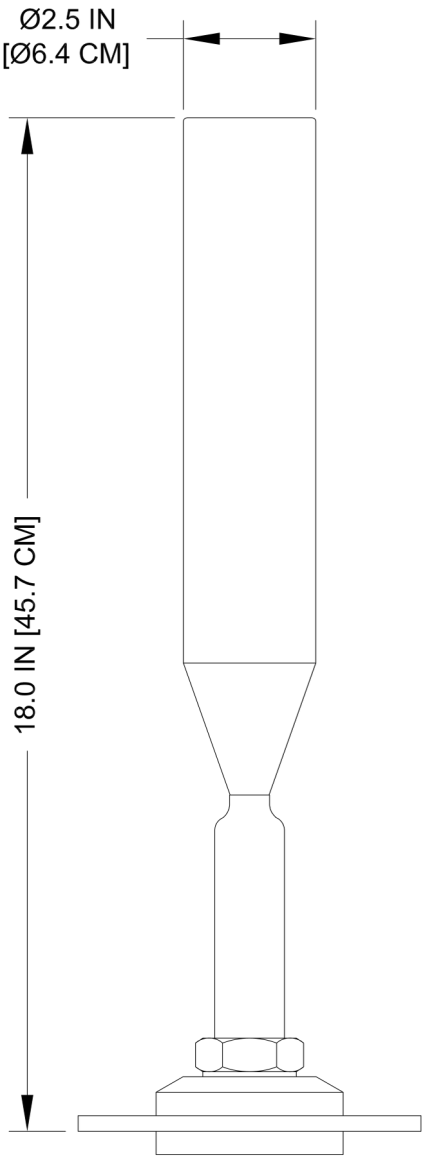
PN: VWB-56000

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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

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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

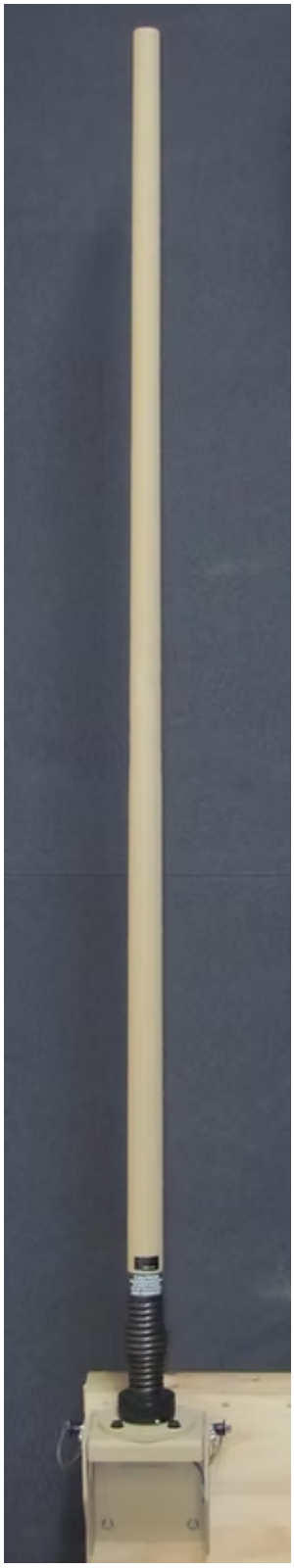
Handles up to 100 W (100–999 MHz) and 50 W (1–6 GHz) average RF power

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



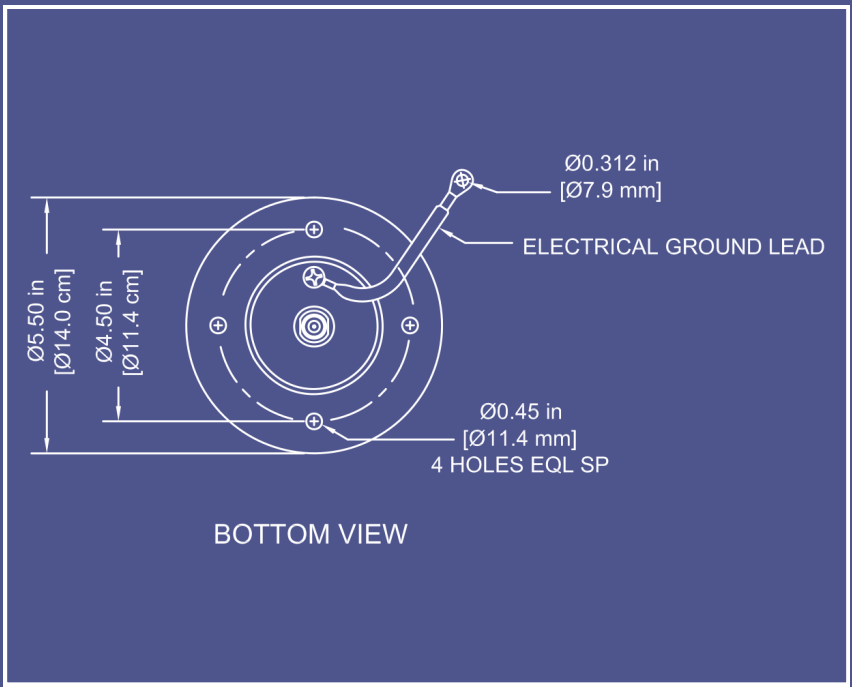
VECM-16000

Wide Spectrum Multi-Band Antenna

PN: VECM-16000

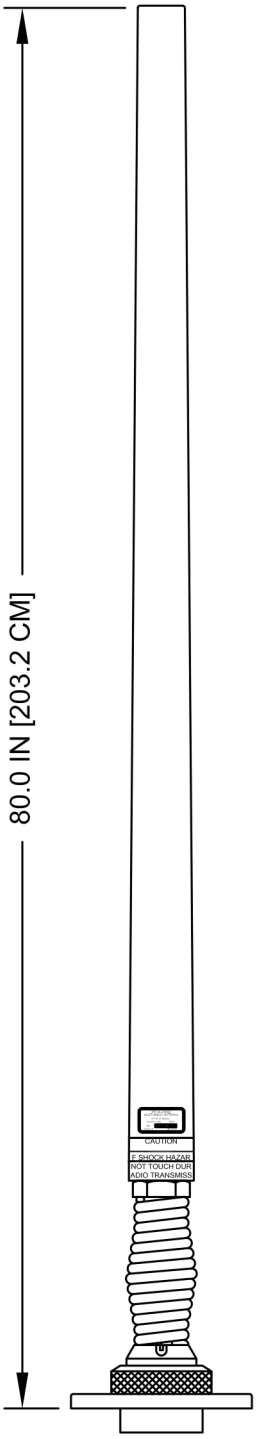
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KEY CHARACTERISTICS	VECM-16000
Frequency Range (no tuner)	100 MHz – 6000 MHz
Power	0.05 KW - 0.1 KW
Height	80 in
Weight	15 lbs
VSWR	3.0:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Not specified

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

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UHF Fixed Base Antenna

The VAS-450-FB is a rugged, broadband UHF fixed base dipole whip antenna engineered for military communications. Designed for today's wideband, frequency-agile radios, it delivers reliable performance in demanding environments.

BROADBAND COVERAGE
Operates from 225 MHz – 450 MHz with no tuner required

DURABILITY AND RELIABILITY
Durable epoxy fiberglass whip with aluminum base, built to withstand winds up to 100 mph (160 kph)

WEATHERPROOF CONSTRUCTION
10 kVrms element protection to MIL-STD-202

FIXED GROUND INSTALLATION
Designed for military fixed-base applications, also suitable for shipboard use

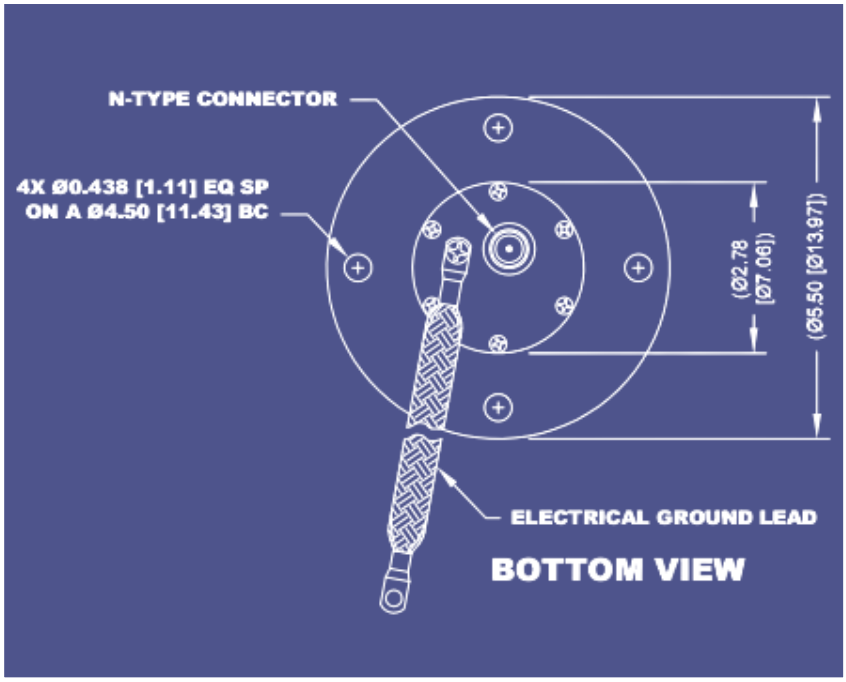


VAS-450-FB

UHF Fixed Base Antenna

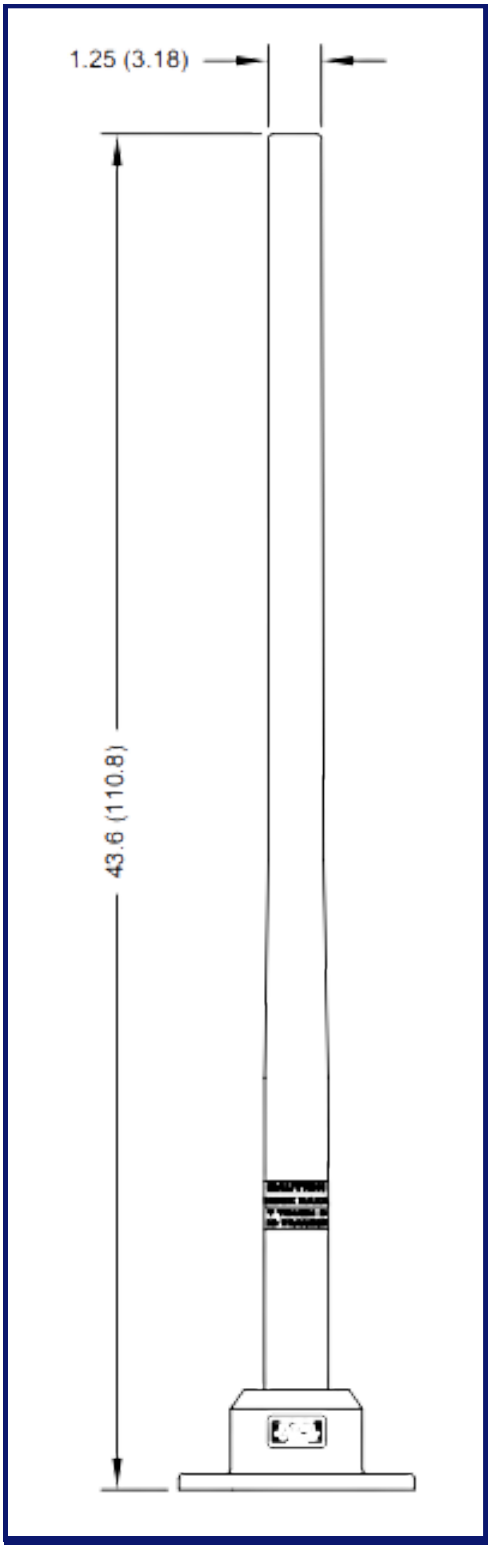
PN: VD-07-00166-1

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KEY CHARACTERISTICS	VAS-450-FB
Frequency Range (no tuner)	225 MHz – 450 MHz
Power	0.2 KW
Height	43.6 in
Weight	4.7 lbs
VSWR	≤ 2.5:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Epoxy Fiberglass

The VAS-450-FB is a lightweight yet durable fiberglass whip antenna with integral base, providing dependable UHF communications for fixed-base and shipboard installations.



IDEAL FOR:

- Military fixed base stations
- Shipboard communications
- Wideband UHF applications requiring rugged reliability

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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



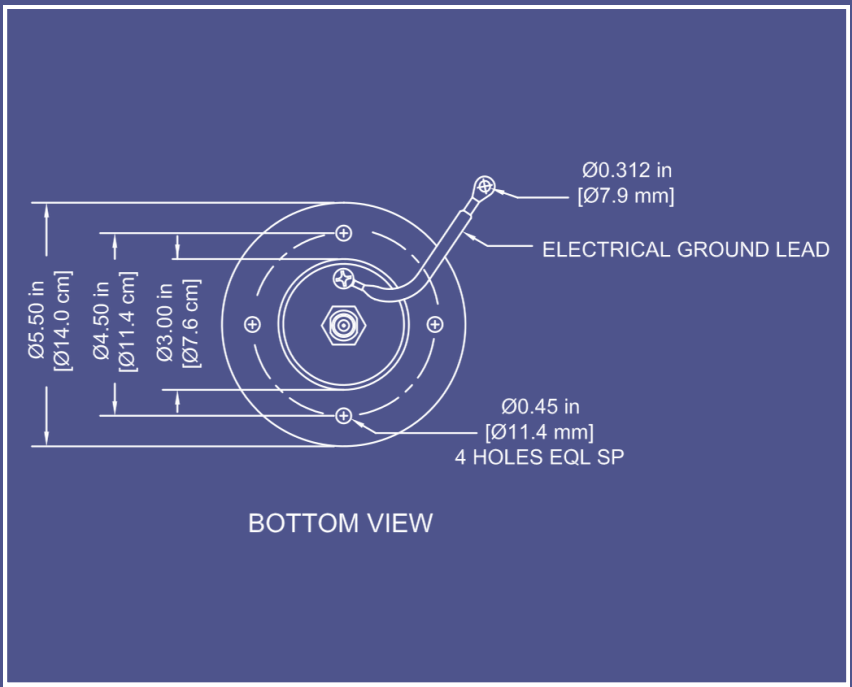
VMB-3512-4

Multi-band Vehicular Whip Antenna

PN: VMB-3512-4

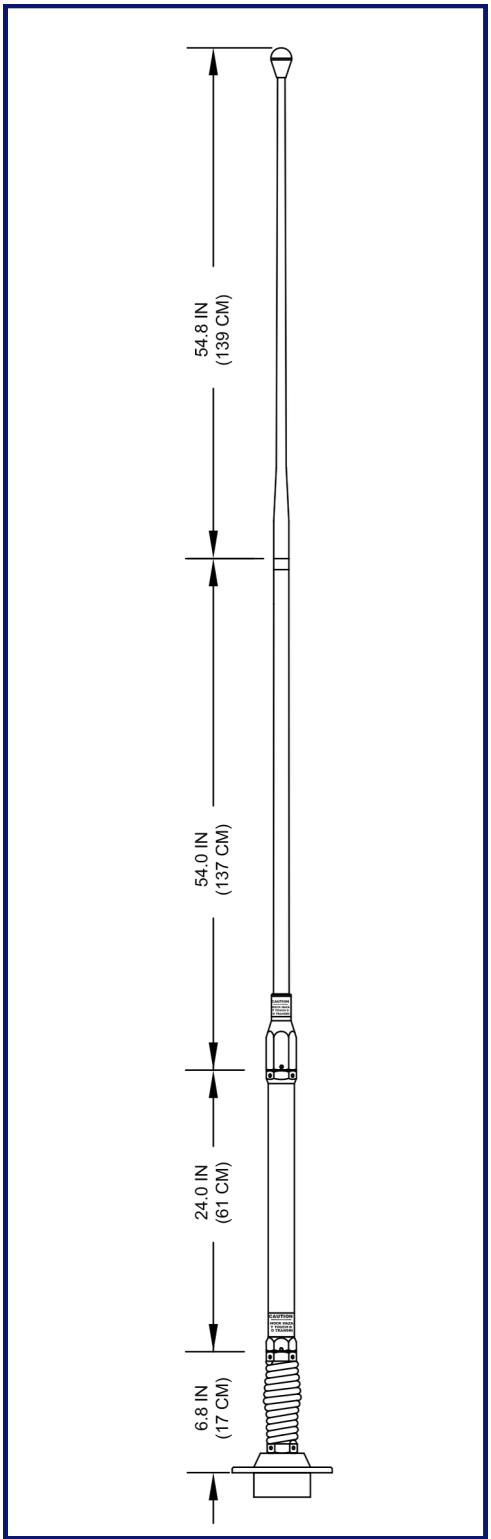
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KEY CHARACTERISTICS	VMB-3512-4
Frequency Range (no tuner)	30 MHz – 512 MHz
Power	0.1 KW
Height	139.6 in
Weight	11 lbs
VSWR	≤ 3.5:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Epoxy Fiberglass

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

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Personnel Location Reporting Antenna

The VAS-3448 is a rugged, lightweight dipole antenna designed for military personnel location reporting and radiolocation applications. Covering 420–450 MHz, it delivers reliable, mission-critical communication in harsh environments.

BROADBAND COVERAGE
Operates from 420 MHz to 450 MHz with no tuner required

DURABILITY AND RELIABILITY
Built to MIL-STD-810F vibration, shock, and humidity standards

WEATHERPROOF CONSTRUCTION
Fiberglass-protected for harsh environments, operating –40 °C to +60 °C and winds up to 100 km/h

TACTICAL APPLICATIONS
Ruggedized for military field deployment and suitable for harsh environments



VAS-3448

Personnel Location Reporting Antenna

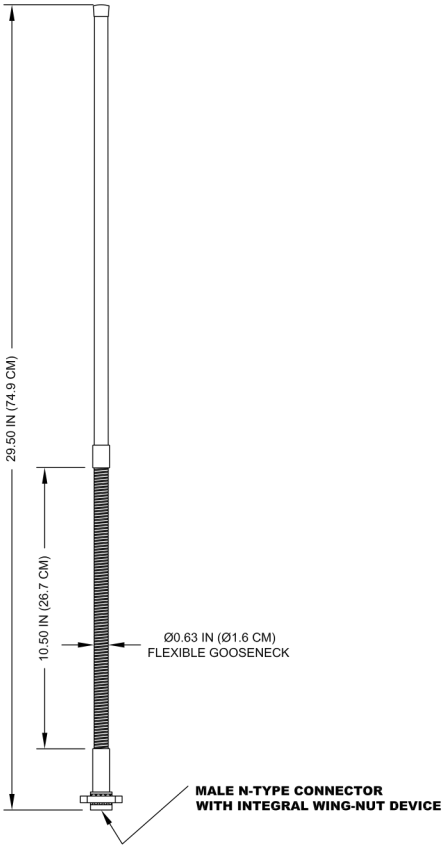
PN: VAS-3448

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519-824-3220
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KEY CHARACTERISTICS	VAS-3448
Frequency Range (no tuner)	420 MHz – 450 MHz
Power	0.02 KW
Height	29.5 in
Weight	1 lb
VSWR	≤ 2.25:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Not specified

As a fiberglass-enclosed dipole with omnidirectional coverage, the VAS-3448 ensures dependable performance for both transmitting and receiving, even under extreme conditions. Its durable construction and flexible gooseneck base make it quick to deploy and ideal for field use.



IDEAL FOR:

- Personnel Location Reporting System (PLRS)
- Military radiolocation
- Harsh environment field communications

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Base Station Antenna

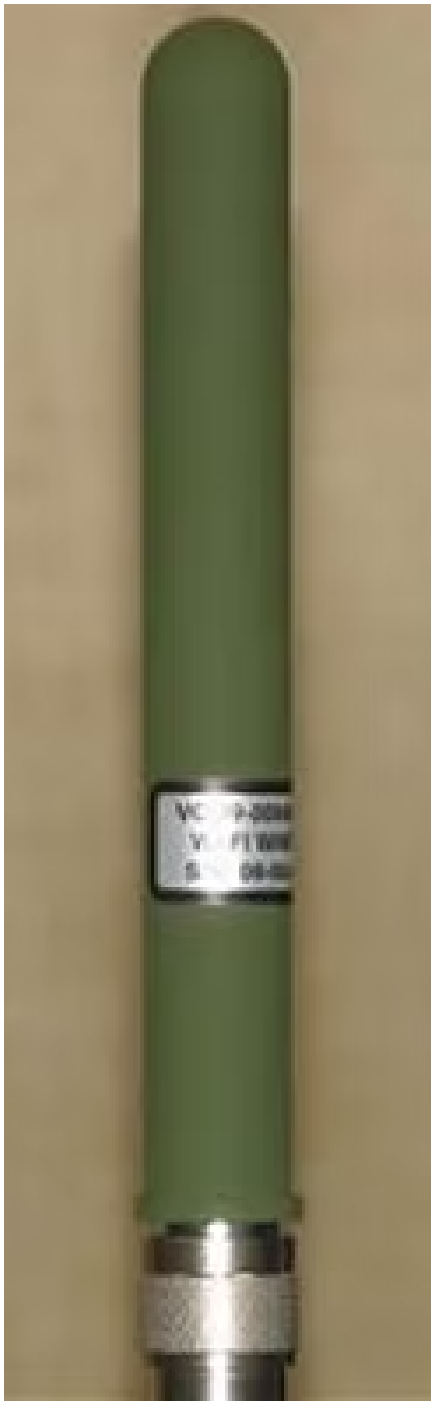
A compact, durable, and weatherproof dipole-style antenna designed for reliable Wi-Fi base station uplinks and downlinks. With broad coverage, lightweight construction, and simple installation, the VWI-FI-1 ensures dependable wireless communication in challenging environments.

BROADBAND COVERAGE
Operates from 2250 MHz to 2550 MHz with no tuner required

HIGH POWER HANDLING
Handles up to 50 W average RF power

WEATHERPROOF CONSTRUCTION
Sealed against the elements and wind-rated to 125 mph for reliable outdoor or mobile use.

FIXED GROUND INSTALLATION
Reliable Wi-Fi and wireless communications in outdoor base stations, mobile units, temporary deployments, industrial sites, and emergency response operations

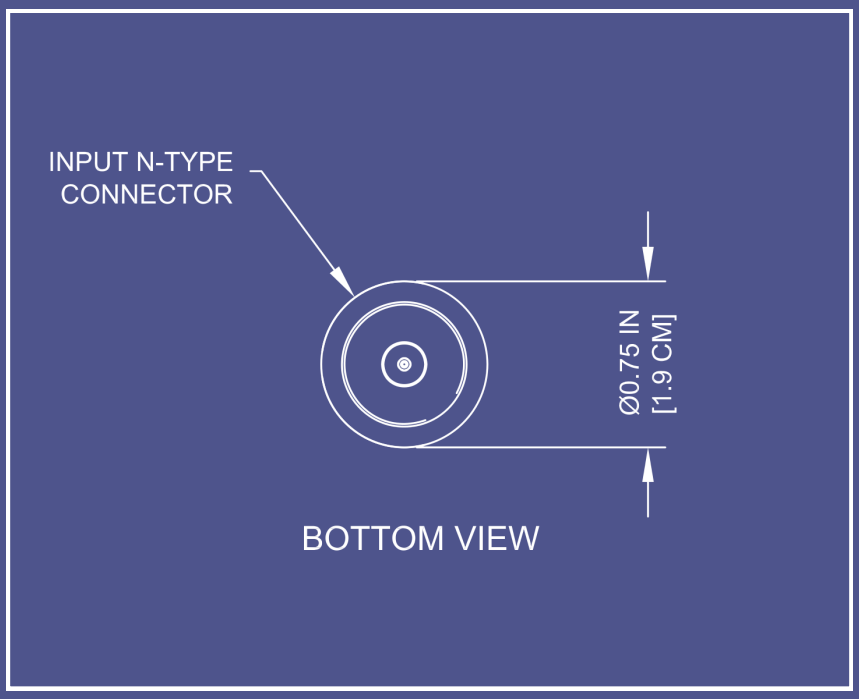


VWI-FI-1

Base Station Antenna

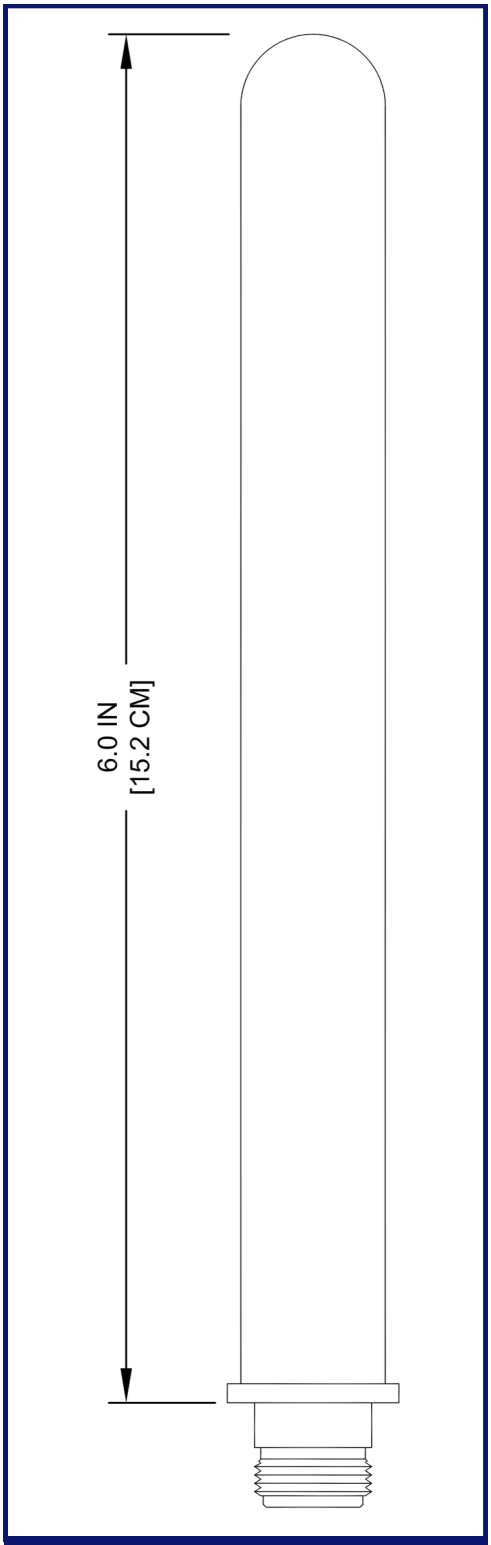
PN: VWI-FI-1

Valcom ANTENNAS
519-824-3220
sales@valcomguelph.com
175 Southgate Drive, Guelph



KEY CHARACTERISTICS	VWI-FI-1
Frequency Range (no tuner)	2250 MHz – 2550 MHz
Power	0.05 KW
Height	6 in
Weight	0.2 lbs
VSWR	1.5:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Not specified

The VWI-FI-1 is a high-performance, dipole-style whip antenna featuring an omnidirectional radiation pattern and integral N-type connector. Designed for minimal VSWR and maximum durability, it's ideal for base station deployments requiring compact, high-efficiency performance.



IDEAL FOR:

- Base station Wi-Fi applications
- Industrial and commercial wireless networks
- Weather-exposed or rugged environments
- Quick-deploy wireless communications setups
- Lightweight mast or pole-mount installations

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UHF Discone Antenna

The Valcom AT-197/GR is a compact, broadband UHF discone antenna, engineered for high-performance signal receiving and omnidirectional transmitting. Ideal for direction-finding (DF) arrays and high-power communications, it features fast assembly, high durability, and versatile mounting options.

BROADBAND COVERAGE

Operates from 255 MHz to 400 MHz with no tuner required

HIGH POWER HANDLING

Handles up to 1 kW average RF power

WEATHERPROOF CONSTRUCTION

Built for durability, the AT-197/GR offers rugged construction and weather-resistant performance in harsh environments

FLEXIBLE INSTALLATION

Compact and ruggedized for use in military, vehicular, and fixed installations, including potential shipboard use



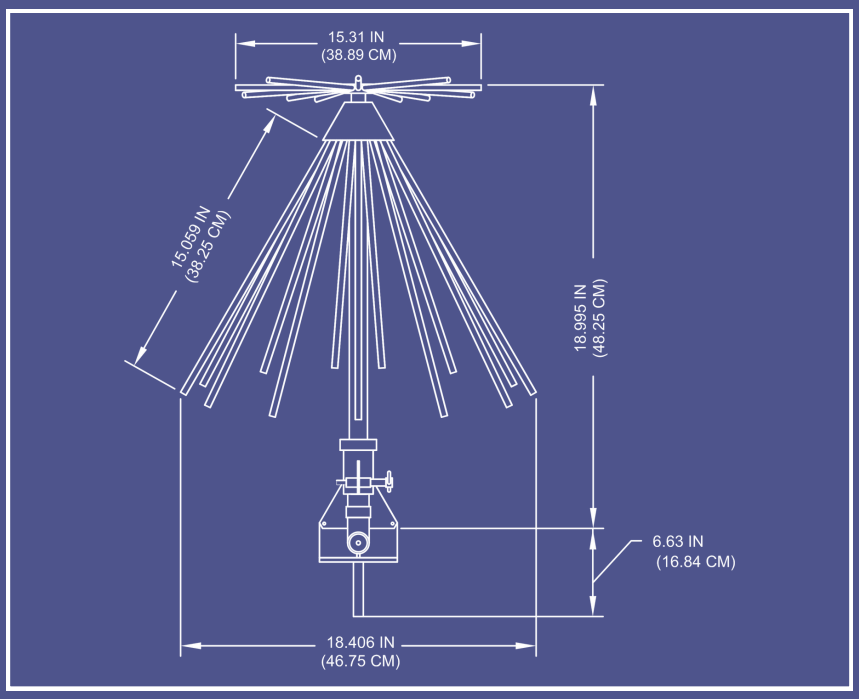
AT-197/GR

UHF Discone Antenna

PN: AT-197/GR

Valcom ANTENNAS

519-824-3220
sales@valcomguelph.com
175 Southgate Drive, Guelph



KEY CHARACTERISTICS	AT-197/GR
Frequency Range (no tuner)	255 MHz – 400 MHz
Power	1 KW
Height	18.81 in
Weight	8 lbs
VSWR	< 2:1
Polarization	Vertical
Azimuth Coverage	Omnidirectional
Integral Base / Insulator	Not specified

The AT-197/GR Discone Antenna is a rugged, broadband UHF antenna optimized for military, vehicular, and stationary communications. Its omnidirectional design ensures reliable performance across varied environments, while its light-weight, modular structure allows rapid deployment and transport.



IDEAL FOR:

- Military Communications
- Vehicular Antenna Systems
- Shipboard and Naval Use
- Direction Finding (DF) Arrays
- Signal Monitoring & Receiving Stations
- Emergency Response and Field Deployments

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Crossed Yagi Antenna

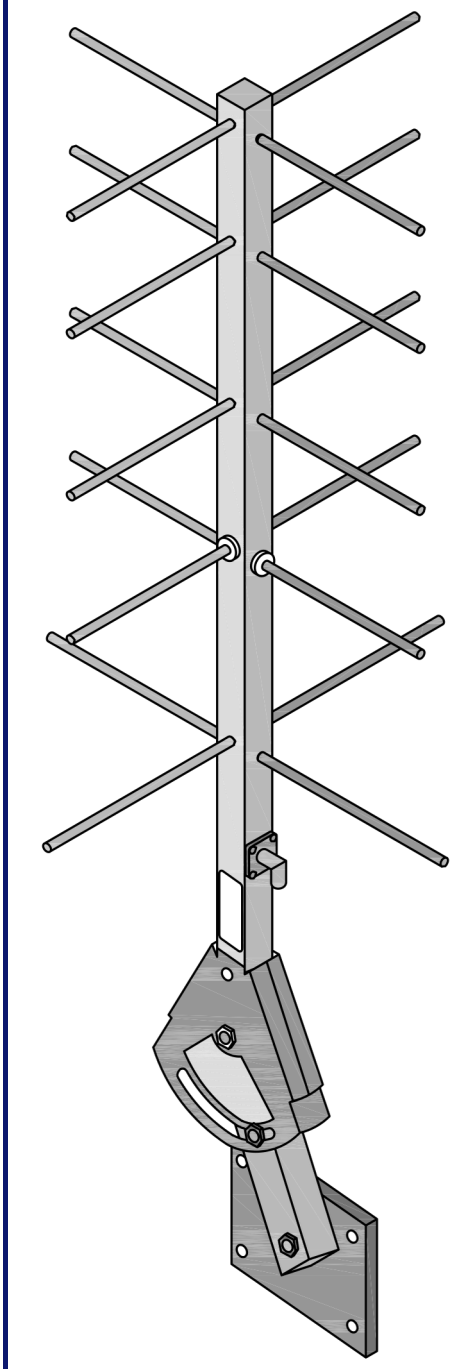
The Valcom Crossed Yagi Antenna delivers reliable, high-performance data collection across 400 MHz and similar frequencies. Lightweight, easy to install, and weatherproof, it's designed for both land and marine applications.

BROADBAND COVERAGE
Operates at a nominal 401.8 MHz with no tuner required

HIGH POWER HANDLING
Handles up to 20 W maximum input power

WEATHERPROOF CONSTRUCTION
Fiberglass enclosure; fully weatherproof for environmental resilience

SHIPBOARD ANTENNAS
Shipboard compatible; designed to withstand high wind speeds and environmental extremes



Crossed Yagi Antenna

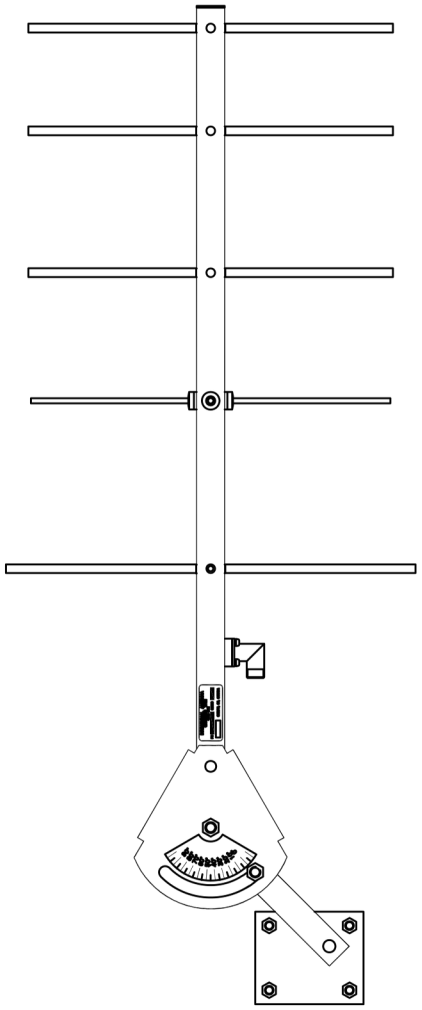
Crossed Yagi Antenna

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KEY CHARACTERISTICS	Crossed Yagi Antenna
Frequency Range (no tuner)	401.8 MHz (nominal)
Power	0.02 KW
Height	43.3 in
Weight	5 lbs
VSWR	≤1.5
Polarization	Right-hand circular
Azimuth Coverage	360° adjustable
Integral Base / Insulator	Not specified

A directional, crossed Yagi antenna providing right-hand circular polarization, high gain, and robust performance in challenging environmental conditions. Ideal for time-critical data transmission and remote monitoring systems.



IDEAL FOR:

- Data collection platforms, shipboard installations, and any 400 MHz applications requiring directional high-gain antennas.