

SVB- VHF

Mobile omni antenna

- Rugged ABS housings are UV resistant
- Stainless steel fittings
- Stands up to severe environmental conditions

These antennas are fabricated from durable components and are designed to last. Fittings are constructed of stainless steel to inhibit rust and corrosion and are molded into the housing without the use of glue or fasteners to ensure a long lasting, reliable product, even in severe environments.

Many different mounts are available.

Application Notes

- Sinclair manufactures a wide range of mobile antennas. These products are very durable and reliable and can withstand the most severe environmental conditions. These antennas are suitable for public safety applications and other "mission critical" operations.



Model	Description	Pattern
SVB-1383	3 dBd gain, 138-174 MHz	Omni-directional
SVB-1482	2 dBd gain, 1/2 wave, 132-174 MHz	Omni-directional
SVB-1560	0 dBd gain, 1/4 wave, 138-174 MHz	Omni-directional
SVB-2202	2 dBd gain, 1/2 wave, 200-250 MHz	Omni-directional
SVB-2203	3 dBd gain, 5/8 wave, 200-250 MHz	Omni-directional



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Product Specification Sheet		SVB- VHF		Dated: 05-02-10

[SVB-1383](#)

[SVB-1482](#)

[SVB-1560](#)

[SVB-2202](#)

Electrical Specifications

	SVB-1383	SVB-1482	SVB-1560	SVB-2202
Frequency Range, MHz	138 to 174	132 to 174	138 to 174	216 to 220
Gain (nominal), dBd (dBi)	3 (5.1)	2 (4.1)	unity (2.1)	2 (4.1)
Input VSWR (max)	1.5:1	2:1	1.5:1	1.5:1
Polarization	vertical		vertical	vertical
Impedance, Ω	50			
Pattern	Omni-directional	Omni-directional	Omni-directional	Omni-directional
Average Power Input (max), W	100	150	100	
Bandwidth, MHz	5	26	36	11.5
% Bandwidth, %	3.5			

Mechanical Specifications

	SVB-1383	SVB-1482	SVB-1560	SVB-2202
Length/ Height, in (mm)	58 (1473)	42.5 (1080)	24.5 (622)	36 (914)
Weight, lbs (kg)	0.6 (0.3)	0.5 (0.2)	0.5 (0.2)	
Shipping dimensions, in (mm)	Varies ()	Varies ()	Varies ()	Varies ()

Environmental Specifications

	SVB-1383	SVB-1482	SVB-1560	SVB-2202
Temperature range, °F (°C)	-22 to +140 (-30 to +60)	-22 to +140 (-30 to +60)	-22 to +140 (-30 to +60)	-22 to +140 (-30 to +60)

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[SVB-2203](#)

Electrical Specifications

Frequency Range, MHz	200 to 250
Gain (nominal), dBd (dBi)	3 (5.1)
Input VSWR (max)	1.5:1
Polarization	vertical
Impedance, Ω	
Pattern	Omni-directional
Average Power Input (max), W	
Bandwidth, MHz	8.5
% Bandwidth, %	

Mechanical Specifications

Length/ Height, in (mm)	36 (914)
Weight, lbs (kg)	
Shipping dimensions, in (mm)	Varies ()

Environmental Specifications

Temperature range, °F (°C)	-22 to +140 (-30 to +60)
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