

SVB-1383 Mobile Omni Antenna Spec Sheet

Model: SVB-1383

Description: The SVB-1383 is a high-performance mobile omni-directional antenna, expertly crafted for the 138-174 MHz VHF frequency range. It is designed to deliver reliable communication with its robust build and superior electrical characteristics, making it a preferred choice for various mobile applications.

Electrical Specifications:

- Frequency Range: 138 to 174 MHz
- Bandwidth: 5 MHz
- % Bandwidth: 3.5%
- Gain (nominal): 3 dBd
- Input VSWR (max): 1.5 : 1
- Polarization: Vertical
- Impedance: 50 Ω
- Pattern: Omni-directional
- Average Input Power (max): 100 W

Mechanical Specifications:

- Length/Height: 58 inches
- Mounting Configurations: Upright
- Connector Type: NMO
- Weather-Proof Base: Includes an integral sealing gasket for enhanced durability and resilience.
- Stainless Steel Ferrule: Provides exceptional corrosion resistance, ensuring longevity and consistent performance.
- Environmental Specifications:
- Temperature Range: -40 to 60 °C

MSRP Retail Price: \$65 CAD

The SVB-1383 antenna, with its omni-directional pattern, vertical polarization, and NMO connector base, offers a robust and versatile solution for mobile communication systems, ensuring reliable performance across diverse environmental conditions. Featuring a 3 dBd gain, the SVB-1383 is designed to effectively double the output power in comparison to a half-wave dipole antenna, enhancing signal focus and strength without producing additional power. This gain translates into improved effective radiated power (ERP), meaning that a 100 W transmitter would have the equivalent performance of a 200 W transmitter when using this antenna, thereby boosting communication reach and quality. This combination of features and performance makes the SVB-1383 an ideal choice for a wide array of mobile communication needs.

