

# Discone

# Antennas

## SB-3000 VHF/UHF

### Features:

- **Broadband**
- **High Power**
- **Light Weight**
- **Compact**
- **Easy assembly / disassembly**
- **Optional Mounting**

### Description:

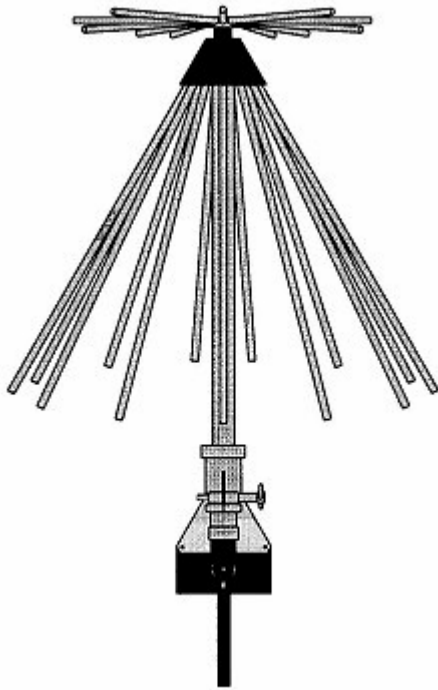
The SB-3000 is a compact broadband VHF/UHF discone antenna. Its broad band width capability makes it perfectly suited for signal receiving and monitoring applications, as well as for use in direction finding (DF) arrays. This antenna is also ideal for omni-directional transmitting applications requiring high power handling.

The SB-3000 is quickly and easily assembled and disassembled. All elements are secured via integral quarter-turn fasteners. The lower elements are retained by individual chains to prevent loss.

The antenna can be mounted in one of two ways. By using the adapter, the antenna can be mounted in a 1.00 inch diameter hole on a horizontal platform. Without the adapter it mounts on a vertical platform using three mounting bolts.

<b>Name:</b>	<b>Discone Antenna</b>
<b>Category:</b>	<b>VHF/ UHF Antennas</b>
<b>Diagram(s):</b>	<b>Diagrams and Mounting Details</b>
<b>Photo(s):</b>	<b>SB-3000</b>
<b>NATO Stock Number (NSN):</b>	<b>N/A</b>
<b>Frequency Range:</b>	<b>115 MHz to 400 MHz - for antennas (repeated below)</b>

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## Electrical Characteristics

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<b>Frequency Range:</b>	120 MHz to 400 MHz
<b>Polarization:</b>	Vertical
<b>Azimuth Coverage [Radiation Pattern]:</b>	Circular within 0.5 db
<b>Elevation 3 db Beamwidth:</b>	40° nominal
<b>Impedance:</b>	50 Ohms
<b>VSWR:</b>	Less than 2.5:1
<b>Input Connector:</b>	HN type jack (HN-TO-N Type Adapter Incl)
<b>Power Handling:</b>	1 KW (average)

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## Mechanical Characteristics

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<b>Weight:</b>	12 Lbs. (5.45 kg)
<b>Material:</b>	Aluminium
<b>Temperature:</b>	Operating -55°C to +65°C (-67°F to +149°F) Storage -65°C to +80°C (-85°F to +176°F)
<b>Finish:</b>	Baking Enamel (colour to customer's request)

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# SB-3000 VHF/UHF DISCONE ANTENNA

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