



## VBC-860

The **VBC-860** antenna contains two broadband dipole arrays designed to work from 800 MHz to 2500 MHz and from 2500 MHz to 6000MHz. The antenna exhibits exceptional gain in an omni-directional pattern. It is designed with compliance to the strictest military specifications. The antenna is mounted in a sealed tapered dielectric radome to offer mechanical stability and reduced wind load. The VBC-860 will handle up to 50W CW power. This antenna also offers low VSWR for the entire band. The VBC-860 comes with a magnetic mount for rapid installation on a variety of vehicles. The antenna is also available with a variety of bolt-on bases.

### SPECIFICATIONS:

|                              |   |
|------------------------------|---|
| <b>Frequency</b>             | Port 1: 800 to 2500 MHz<br>Port 2: 2500 to 6000 MHz             |
| <b>Polarization</b>          | Linear Vertical   |
| <b>Gain</b>                  | 2 dBi nominal   |
| <b>Impedance</b>             | 50 Ohms nominal   |
| <b>VSWR</b>                  | 2.5:1 max; 1.8:1 average  |
| <b>Pattern</b>               | Omni in Azimuth   |
| <b>Operating Temperature</b> | -20° to +70°C   |
| <b>Storage Temperature</b>   | -30° to +85°C   |
| <b>Power Handling</b>        | 50 Watt CW; 100 W Peak  |
| <b>Antenna Connectors</b>    | N Female (2)  |
| <b>Dimensions</b>            | 4" diameter x 27.5" height                                      |
| <b>Weight</b>                | 12 lbs with magnetic base                                       |
| <b>Mounting</b>              | Magnetic mount standard<br>NATO mount with spring base optional |



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### Antenna Research