

## Dual Band VHF/UHF Collinear Antenna

The MBD1444(S) antenna offers VHF and UHF dual band coverage with 2 dB gain (at VHF) and 5 dB gain (at UHF frequencies). The antenna features a tapped coil design to maximize bandwidth. A shock spring is available for heavy duty applications.



MDB1444S

### Features

- VHF/UHF dual band coverage
- 2 dB Gain at VHF frequencies; 5 dB gain at UHF frequencies
- Model designed for business or amateur bands
- Mates with all 1-1/8"-18 thread mounts, including 3/4" mounts

### Antenna Electrical Specifications

Model	Frequency Range	Factory Tuned Frequency	Gain
MDB1444(S)*	144-148 MHz 440-448 MHz	146 MHz 444 MHz	2 dB (VHF) 5 dB (UHF)



### Technical Data

<b>Maximum Power:</b> 200 watts
<b>Nominal Impedance:</b> 50 ohms
<b>VSWR at Resonance:</b> < 1.5:1 (UHF models) < 2:1 (VHF models)
<b>Radiator Material:</b> .100"-.062" diameter stainless steel
<b>Optional Spring:</b> Stainless steel
<b>Phasing Coil Housing:</b> Molded polymer jacket with bright or black chrome plated bushing
<b>Loading Coil:</b> Tinned copper wire wound on a low-loss coil form
<b>Base Coil Housing:</b> Molded polymer jacket with copper, nickel and chrome plated bushing
<b>Antenna Type:</b> VHF: 1/2 wave UHF: 5/8 wave over a 1/2 wave

### Mechanical Specifications

Model	Antenna Height at lowest frequency
MDB1444(S)*	Approximately 38"

\* Suffix "S" indicates spring, which is not a retrofit option. Please indicate at time of order.