

2dB / 5dB, Dual Band Collinear Antennas

These antennas offer VHF and UHF dual band coverage with 2dB gain at (VHF), and 5dB gain at (UHF) frequencies. The antennas feature a tapped coil design to maximize bandwidth. A shock spring is available for heavy duty applications.

Features

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



MDB1444S

Electrical Specifications

Maximum Power:

200 Watts

VSWR at Resonant Point:

VHF: < 2:1

UHF: < 1.5:1

Nominal Impedance:

50 Ohms

Antenna Type:

VHF: 1/2 wave

UHF: 5/8 wave over a 1/2 wave

Mechanical Specifications

Radiator Material:

.100" diameter stainless steel

Optional Spring:

Stainless steel

Phasing Coil Housing:

Molded polymer jacket with bright or black chrome plated brass bushing

Loading Coil:

Tinned copper wire wound on a low-loss coil form

Base Coil Housing:

Molded polymer jacket with copper, nickel and chrome plated brass bushing

Antenna Height:

Approximately 38" at lowest frequency

Model #	Frequency Range	Factory Tuned Frequency	Gain
MDB1444(S)*	144-148 MHz 440-448 MHz	146/446 MHz	VHF 2 dB, UHF 5 dB
MDB1545(S)*	152-158 MHz 453-468 MHz	155/461 MHz	VHF 2 dB, UHF 5 dB

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