



MDB1444S

MAXRAD

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.

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 and 440-448 MHz	146/446 MHz	VHF 2 dB, UHF 5 dB

Technical Data

Maximum Power: 200 watts
Nominal Impedance: 50 ohms
VSWR: < 1.5:1 (UHF models) < 2:1 (VHF models)
Radiator Material: .100" diameter stainless steel
Optional Spring: Stainless steel
Phasing Coil Housing: Molded polymer jacket with bright or black chrome plated 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 bushing
Antenna Type: 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"

For detailed specifications, visit <http://antenna.pctel.com>.

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