## Chrome Coil Antennas



## Technical Data

| Maximum Power: <br> 200 watts |
| :--- |
| Nominal Impedance: <br> 50 ohms |
| VSWR at Resonance: <br> $<1.5: 1$ |
| Radiator Material: <br> $.100^{\prime \prime} .062^{\prime \prime}$ diameter stainless steel <br> Grounding: <br> DC Grounded (MHBDC model only) <br> Optional Spring: <br> Stainless steel <br> Base Coil Housing: <br> Molded polymer jacket with copper, <br> nickel and chrome plated bushing <br> Antenna Type: <br> Base loaded 5/8 Wave le\| |

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

## 5/ 8 Wave Heavy Duty Antenna

These 5/ 8 Wave antennas utilize the MAXRAD chrome coil design with the enhancement of a heavy duty tapered rod for maximum durability in tough environments.

## Features

- The matching coil is supported by a low loss coil for superior performance in heavy shick applications
- The tapered coil housing design enhances appearance and prevents moisture from entering the load
- Mates with all $1-1 / 8^{\prime \prime}-18$ thread mounts, including $3 / 4^{\prime \prime}$ mounts


## Antenna Electrical Specifications

| Model | Frequency <br> Range | Factory Tuned <br> Frequency | Gain with/without <br> Ground Plane |
| :---: | :---: | :---: | :---: |
| MHB5800132(S) | $132-174 \mathrm{MHz}$ | Field tunable | 3 dB |
| MHBDC5800(S)** | $144-174 \mathrm{MHz}$ | Field tunable | 3 dB |
| MHB5800(S)* | $144-174 \mathrm{MHz}$ | Field tunable | 3 dB |
| MUF3003(S) | $300-325 \mathrm{MHz}$ | Field tunable | 3 dB |
| MUF4063(S)* | $406-430 \mathrm{MHz}$ | Field tunable | 3 dB |
| MUF4303(S)* | $430-450 \mathrm{MHz}$ | Field tunable | 3 dB |
| MUF4503(S)* | $450-470 \mathrm{MHz}$ | Field tunable | 3 dB |
| MUF4703(S)* | $470-490 \mathrm{MHz}$ | Field tunable | 3 dB |
| MUF4903(S)* | $490-512 \mathrm{MHz}$ | Field tunable | 3 dB |

## Mechanical Specifications

| Model | Antenna Height at lowest frequency |
| :---: | :---: |
| MHB5800132(S) | Approximately $58^{\prime \prime}$ |
| MHBDC5800(S)** | Approximately $58^{\prime \prime}$ |
| MHB5800(S)* | Approximately $58^{\prime \prime}$ |
| MUF3003(S) | Approximately $16^{\prime \prime}$ |
| MUF4063(S)* | Approximately $16^{\prime \prime}$ |
| MUF4303(S)* | Approximately $16^{\prime \prime}$ |
| MUF4503(S)* | Approximately $16^{\prime \prime}$ |
| MUF4703(S)* | Approximately $16^{\prime \prime}$ |
| MUF4903(S)* | Approximately $16^{\prime \prime}$ |

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[^0]:    * Suffix " S " indicates spring and is not a retrofit option, please indicate at time of order.
    ** MHBDC5800(S) has a 5 MHz bandwidth @ 1.5:1 VSWR.

