



\*MWU4002S operates without a ground plane without compromising VSWR performance.



Technical Data

|   |
|---|
| Maximum Power:<br>200 watts (UHF)<br>160 watts (VHF)                                      |
| Nominal Impedance:<br>50 ohms   |
| VSWR:<br>< 2.0:1  |
| Radiator Material:<br>.100"-.062" diameter stainless steel                                |
| Spring:<br>Stainless steel  |
| Phasing Coil Housing:<br>Molded polymer jacket with bright or black chrome plated bushing |
| Base Coil Housing:<br>Molded polymer jacket with copper, nickel and chrome plated bushing |

## VHF and UHF Wideband Antennas - No Tune

These antennas address equipment inter-operability challenges by providing superior bandwidth coverage without sacrificing antenna performance. Their no tune wideband design eliminates the need to install multiple antennas to cover various VHF or UHF frequency bands, thus reducing installation costs and complexity and improving overall coverage of the desired frequencies.

### Features

- Rugged stainless steel spring and wideband tube assembly for maximum durability and shock absorption
- Thick-wall housing, double-sealed for maximum weatherproofing
- Mates with all 1-1/8" -18 thread mounts, including 3/4" mounts
- MWU4002S operates with or without a ground plane without compromising VSWR performance.

### Antenna Electrical Specifications

| Model         | Frequency Range | Bandwidth | Gain   |
|---------------|-----------------|-----------|--|
| (B)MWV1365S** | 136-174 MHz     | 38 MHz    | Unity  |
| (B)MWU4002S** | 380-520 MHz     | 140 MHz   | 2.0 dB with a ground plane<br>Unity w/o a ground plane |
| MWU4505(S)    | 440-480 MHz     | 40 MHz    | 4.5 dB   |
| MWB4505       | 450-470 MHz     | 20 MHz    | 5 dB   |
| MWU4063S      | 406-470 MHz     | 64 MHz    | 3 dB   |

### Mechanical Specifications

| Model       | Antenna Height at lowest frequency |
|-------------|------------------------------------|
| (B)MWV1365S | Approximatey 20"                   |
| (B)MWU4002S | Less than 12"                      |
| MWU4505(S)  | Approximately 32"                  |
| MWB4505     | Approximately 32"                  |
| MWU4063S    | Approximately 12"                  |

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

\*Prefix "B" indicates black. Suffix "S" indicates spring.  
\*\*This model includes a spring.