

VHF and UHF Wideband Antennas - Field Tunable

PCTEL's field tunable wideband antennas address equipment interoperability challenges by providing superior bandwidth coverage without sacrificing antenna performance. All models are built to withstand high vibration conditions.

Features

- Outstanding bandwidth performance
- Rugged compact design ideal for high vibration conditions
- Thick-wall housing, double-sealed for maximum weatherproofing
- Mate with all 1-1/8" -18 thread mounts, including 3/4" mounts
- Select models feature a removable whip design for fine tuning or replacement
- Stainless steel spring option offered with select models



MWV1322S



STANDARD CONFIGURATION

| Model | Optional Spring Available* | Recommended Mounts (Sold Separately, unless otherwise listed) |
|--------------|----------------------------|---|
| MWV1322(S) | Yes | Mates with 1-1/8-inch -18 thread mobile mounts, including 3/4-inch hole mounts |
| MWV1322HD(S) | Yes | Mates with 1-1/8-inch -18 thread mobile mounts, including 3/4-inch hole mounts |
| MWB1320 | Spring only option | Mates with 1-1/8-inch -18 thread mobile mounts, including 3/4-inch hole mounts |
| ASPR7495 | No | Mates with 1-1/8-inch -18 thread mobile mounts, including 3/4-inch hole mounts |
| ASPR795 | No | Mates with 1-1/8-inch -18 thread mobile mounts, including 3/4-inch hole mounts |
| ASPC201L | No | 3/8-inch hole snap-in mounts, includes 17 ft RG-58/U cable and UHF male connector |

ELECTRICAL SPECIFICATIONS

| Model | Frequency Range (Field tunable) | Bandwidth | Gain | VSWR | Maximum Power | Nominal Impedance | Antenna Type |
|--------------|---------------------------------|-----------------------|--|---------|---------------|-------------------|-------------------------|
| MWV1322(S) | 132-174 MHz | 26 MHz | 2.4 dB with ground plane Unity w/o ground plane | < 2.0:1 | 150 watts | 50 ohms | Base loaded 1/2 wave |
| MWV1322HD(S) | 132-174 MHz | 26 MHz | 2.4 dB with ground plane Unity w/o ground plane | < 2.0:1 | 150 watts | 50 ohms | Base loaded 1/2 wave |
| MWB1320 | 132-512 MHz | 24 MHz | Unity | < 2.0:1 | 150 watts | 50 ohms | 1/4 Wave |
| ASPR7495 | 150-512 MHz | 24 MHz (406-512 MHz) | Unity | < 2.0:1 | 150 watts | 50 ohms | 1/4 Wave |
| ASPR795 | 108-512 MHz | 100 MHz (406-512 MHz) | Unity | < 1.5:1 | 150 watts | 50 ohms | 1/4 Wave |
| ASPC201L | 108-512 MHz | 100 MHz (406-512 MHz) | Unity | < 1.5:1 | 100 watts | 50 ohms | 1/4 Wave |

MECHANICAL SPECIFICATIONS

| Model | Approximate Whip Length at Lowest Frequency | Temperature Range | Radiator | Housing Material | Spring Material |
|--------------|---|-------------------|-------------|-------------------------|-----------------|
| MWV1322(S) | 48" | -40°C to +85°C | 17-7 PH SST | Black UV-Stable Polymer | SST |
| MWV1322HD(S) | 48" | -40°C to +85°C | 17-7 PH SST | Black UV-Stable Polymer | SST |
| MWB1320 | 22" | -40°C to +85°C | 17-7 PH SST | Black UV-Stable Polymer | SST |
| ASPR7495 | 16-3/8" | -40°C to +85°C | 17-7 PH SST | Black UV-Stable Polymer | SST |
| ASPR795 | 26" | -40°C to +85°C | 17-7 PH SST | Black UV-Stable Polymer | SST |
| ASPC201L | 26" | -40°C to +85°C | 17-7 PH SST | Black UV-Stable Polymer | SST |

* To select spring option, add suffix "S" to part number. Example: MWV1322S