

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