

## Heavy-Duty Low-Profile Base Gain Antennas

These PCTEL antennas feature a heavy-duty low-profile base with tapered loading coil jacket, chrome plated brass fittings and an optional heavy-duty stainless steel spring. Available with either an open coil rod or our "quiet" closed coil rod design.

### Features

- Low-profile, double-sealed housing for maximum weatherproofing
- Plated fittings for superior performance and durability in the toughest environments
- Mates with all 1-1/8"-18 thread mounts, including 3/4" mounts

### STANDARD CONFIGURATION

Model	Optional Spring Available*	Recommended Mount (Sold Separately)	Rod/Coil Type
MUF3505S	Spring only option	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Collinear / Closed
MUF4065	No	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Collinear / Closed
MUF4305	No	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Collinear / Closed
MUF4505(S)	Yes	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Collinear / Closed
MUF4705(S)	Yes	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Collinear / Closed
MUF4905(S)	Yes	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Collinear / Closed
MUF8105	No	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Trilinear / Open
MUF8005	No	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Trilinear / Closed
MUF8103	No	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Collinear / Open
MUF8003	No	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Collinear / Closed
MUF8325(S)	Yes	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Trilinear / Closed
MUF9035	No	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts	Trilinear / Closed



### ELECTRICAL SPECIFICATIONS

Model	Frequency Range	Gain	VSWR	Maximum Power	Nominal Impedance	Antenna Type
MUF3505S	350-400 MHz	5 dB	< 1.5:1	200 watts	50 ohms	5/8 wave over a 1/4 wave
MUF4065	406-430 MHz	5 dB	< 1.5:1	200 watts	50 ohms	5/8 wave over a 1/4 wave
MUF4305	430-450 MHz	5 dB	< 1.5:1	200 watts	50 ohms	5/8 wave over a 1/4 wave
MUF4505(S)	450-470 MHz	5 dB	< 1.5:1	200 watts	50 ohms	5/8 wave over a 1/4 wave
MUF4705(S)	470-490 MHz	5 dB	< 1.5:1	200 watts	50 ohms	5/8 wave over a 1/4 wave
MUF4905(S)	490-512 MHz	5 dB	< 1.5:1	200 watts	50 ohms	5/8 wave over a 1/4 wave
MUF8105	806-866 MHz	5 dB	< 1.5:1	200 watts	50 ohms	5/8 wave over a 1/4 wave
MUF8005	806-866 MHz	5 dB	< 1.5:1	200 watts	50 ohms	5/8 wave over a 1/4 wave
MUF8103	806-896 MHz	3 dB	< 1.5:1	200 watts	50 ohms	5/8 wave over a 1/4 wave
MUF8003	806-896 MHz	3 dB	< 1.5:1	200 watts	50 ohms	5/8 wave over a 1/4 wave
MUF8325(S)	825-896 MHz	5 dB	< 1.5:1	200 watts	50 ohms	5/8 wave over a 1/4 wave
MUF9035	896-940 MHz	5 dB	< 1.5:1	200 watts	50 ohms	5/8 wave over a 1/4 wave

### MECHANICAL SPECIFICATIONS

Model	Approximate Whip Length at Lowest Frequency	Temperature Range	Radiator	Spring Material	Housing Material
MUF3505S	32"	-40°C to +85°C	17-7 PH SST	SST	Black UV-Stable Polymer
MUF4065	32"	-40°C to +85°C	17-7 PH SST	N/A	Black UV-Stable Polymer
MUF4305	32"	-40°C to +85°C	17-7 PH SST	N/A	Black UV-Stable Polymer
MUF4505(S)	32"	-40°C to +85°C	17-7 PH SST	SST	Black UV-Stable Polymer
MUF4705(S)	32"	-40°C to +85°C	17-7 PH SST	SST	Black UV-Stable Polymer
MUF4905(S)	32"	-40°C to +85°C	17-7 PH SST	SST	Black UV-Stable Polymer
MUF8105	25"	-40°C to +85°C	17-7 PH SST	N/A	Black UV-Stable Polymer
MUF8005	25"	-40°C to +85°C	17-7 PH SST	N/A	Black UV-Stable Polymer
MUF8103	15.5"	-40°C to +85°C	17-7 PH SST	N/A	Black UV-Stable Polymer
MUF8003	15.5"	-40°C to +85°C	17-7 PH SST	N/A	Black UV-Stable Polymer
MUF8325(S)	25"	-40°C to +85°C	17-7 PH SST	SST	Black UV-Stable Polymer
MUF9035	25"	-40°C to +85°C	17-7 PH SST	SST	Black UV-Stable Polymer

\* To select spring option, add suffix "S" to part number. Example: MUF4505S