

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 |
| MUF4905 | 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 |
| MUF8325 | 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 |
| MUF4905 | 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 |
| MUF8325 | 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 |
| MUF4905 | 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 |
| MUF8325 | 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