

## Base Loaded Chrome Coil Antennas, No Ground Plane

Designed for installations that lack a suitable ground plane, these PCTEL antennas feature a tapered loading coil jacket with chrome plated fittings and an optional heavy-duty stainless steel spring. The base loaded matching network supports the collinear or trilinear rod sections above without the need of a ground plane.

### Features

- No ground plane required
- Rugged construction; optional heavy-duty shock spring
- Sleek, sturdy, sealed phasing coil design
- Mates with all 1-1/8"-18 thread mounts, including 3/4" mounts



MUF4505NGP

### STANDARD CONFIGURATION

Model*	Optional Spring Available*	Recommended Mounts (Sold Separately)	Rod/Coil Type
MUF4505NGP(S)	Yes	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts.	Collinear / Closed
MUF8003NGP(S)	Yes	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts.	Collinear / Closed
MUF9103NGP	No	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts.	Collinear / Open
MUF9035NGPS	Spring only option	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts.	Trilinear / Closed

### ELECTRICAL SPECIFICATIONS

Model*	Frequency Range	Factory Tuned Frequency	Gain	VSWR	Maximum Power	Nominal Impedance	Antenna Type
MUF4505NGP(S)	450-470 MHz	Field Tunable	5 dB/3 dB	< 1.5:1	200 watts	50 ohms	Base loaded 5/8 wave over a 1/2 wave
MUF8003NGP(S)	806-866 MHz	815 MHz	3 dBi	< 1.5:1	200 watts	50 ohms	Base loaded 1/2 wave
MUF9103NGP	896-940 MHz	898 MHz	3 dBi	< 1.5:1	200 watts	50 ohms	Base loaded 1/2 wave
MUF9035NGPS	896-940 MHz	898 MHz	3 dBi	< 1.5:1	200 watts	50 ohms	Base loaded 1/2 wave

### MECHANICAL SPECIFICATIONS

Model*	Approximate Whip Length at Lowest Frequency	Temperature Range	Radiator	Housing Material	Spring Material
MUF4505NGP(S)	33"	-40°C to +85°C	17-7 PH SST	Black UV-Stable Polymer	SST
MUF8003NGP(S)	17.25"	-40°C to +85°C	17-7 PH SST	Black UV-Stable Polymer	SST
MUF9103NGP	17.5"	-40°C to +85°C	17-7 PH SST	Black UV-Stable Polymer	N/A
MUF9035NGPS	27.5"	-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: MUF4505NGPS