



## 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

### Electrical Specifications

Model*	Frequency Range	Factory Tuned Frequency	Gain with/without Ground Plane	Rod/Coil Type
MUF4505NGP(S)	450-470 MHz	Field tunable	5 dB/3 dB	Collinear/Closed
MUF8103NGPS	806-866 MHz	815 MHz	3 dB	Collinear/Open
MUF8003NGP(S)	806-866 MHz	815 MHz	3 dB	Collinear/Closed
MUF9103NGP	896-940 MHz	898 MHz	3 dB	Collinear/Open
MUF9035NGPS	896-940 MHz	898 MHz	5 dB	Trilinear/Closed

### Technical Data

<b>Maximum Power:</b> 200 watts
<b>Nominal Impedance:</b> 50 ohms
<b>VSWR at Resonance:</b> < 1.5:1
<b>Radiator Material:</b> .100"--.062" diameter stainless steel
<b>Optional Spring:</b> Stainless steel
<b>Phasing Coil Housing:</b> Molded polymer jacket with copper, nickel and chrome plated bushing
<b>Base Housing Coil:</b> Tapered jacket with copper, nickel and chrome plated bushing
<b>Mount Method:</b> Compatible with 3/4" hole mounts
<b>Antenna Type:</b> Base loaded 1/2 wave (800 MHz, 900 MHz and unity gain models) Base loaded 5/8 wave over a 1/2 wave (all other models)

### Mechanical Specifications

Model*	Antenna Height at lowest frequency
MUF4505NGP(S)	Approximately 33"
MUF8103NGPS	Approximately 17.25"
MUF8003NGP(S)	Approximately 17.25"
MUF9103NGP	Approximately 17.5"
MUF9035NGPS	Approximately 27.5"



\* Suffix "S" indicates spring option.