MUF NGP Series

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

STANDARD CONFIGURATION

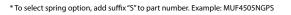
Model*	Optional Spring Available*	Recommended Mounts (Sold Separately)	Rod/Coil Type	
MUF4505NGP(S)	Yes	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts.	Collinear / Closed	
MUF8003NGP(S)	Yes	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts.	Collinear / Closed	
MUF9103NGP	No	Mates with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





EL®

MUF4505NGP