

Base Loaded Chrome Coil Antennas, No Ground Plane

Designed for installations that lack a suitable ground plane, these 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

Antenna Electrical Specifications

Model	Frequency Range	Factory Tuned Frequency	Gain with/without Ground Plane	Rod/Coil Type
MUF4065NGP(S)*	406-430 MHz	Field tunable	5 dB/3 dB	Collinear/Closed
MUF4305NGP(S)*	430-450 MHz	Field tunable	5 dB/3 dB	Collinear/Closed
MUF4502(S)*	450-470 MHz	Field tunable	2.4 dB / Unity	
MUF4505NGP(S)*	450-470 MHz	Field tunable	5 dB/3 dB	Collinear/Closed
MUF4705(S)*	470-490 MHz	Field tunable	5 dB/3 dB	Collinear/Closed
MUF4905(S)*	490-512 MHz	Field tunable	5 dB/3 dB	Collinear/Closed
MUF8103NGP	806-866 MHz	815 MHz	3 dB	Collinear/Open
MUF8003NGP(S)	806-866 MHz	815 MHz	3 dB	Collinear/Closed
MUF9000NGP	896-940 MHz	898 MHz	Unity	Straight
MUF9103NGP	896-940 MHz	898 MHz	3 dB	Collinear/Open

Mechanical Specifications

Model	Antenna Height at lowest frequency
MUF4065NGP(S)*	Approximately 33"
MUF4305NGP(S)*	Approximately 33"
MUF4502(S)*	Approximately 8"
MUF4505NGP(S)*	Approximately 33"
MUF4705(S)*	Approximately 33"
MUF4905(S)*	Approximately 33"
MUF8103NGP	Approximately 17.25"
MUF9000NGP	Approximately 17.25"
MUF900NGP	Approximately 7.25"
MUF9103NGP	Approximately 17.5"
MUF9035NGP(S)	Approximately 27.5"

*Suffix "S" indicates spring



Technical Data

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