



MUF8103NGP

800/900 MHz 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	Rod/Coil Type
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
MUF9035NGP(S)	896-940 MHz	898 MHz	5 dB	Trilinear/Closed

MAXRAD

Technical Data

Maximum Power: 200 watts
Nominal Impedance: 50 ohms
VSWR: < 1.5:1
Radiator Material: .100" 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

Mechanical Specifications

Model	Antenna Height at lowest frequency
800 MHz series @ 3 dB	Approximately 17.25"
900 MHz series @ Unity	Approximately 7.25"
900 MHz series @ 3 dB	Approximately 17.5"
900 MHz series @ 5 dB	Approximately 27.5"

For detailed specifications, visit <http://antenna.pctel.com>.

*Suffix "S" indicates spring