Heavy Duty Low Profile Base Gain Antennas

These antennas feature a heavy-duty low profile base with tapered loading coil jacket, chrome plated brass fittings and an optional heavy-duty stainless steel spring. Available with either an open coil rod or our "quiet" closed coil rod design.

Features

- Low profile double-sealed housing for maximum weather-proofing
- Plated fittings for superior performance and durability in the toughest environments
- Mates with all 1-1/8"-18 thread mounts, including 3/4" mounts

MUF4505 MUF8103

Electrical Specifications

Model	Frequency Range	Factory Tuned Frequency	Gain	Rod/Coil Type
MUF3505(S)	350-400 MHz	Antennas are field tunable within the specified frequency range.	5 dB	Collinear/Closed
MUF4065(S)	406-430 MHz		5 dB	Collinear/Closed
MUF4305(S)	430-450 MHz		5 dB	Collinear / Closed
MUF4505(S)	450-470 MHz		5 dB	Collinear/Closed
MUF4705(S)	470-490 MHz		5 dB	Collinear/Closed
MUF4905(S)	490-512 MHz		5 dB	Collinear/Closed
MUF8105(S)	806-866 MHz	815 MHz	5 dB	Trilinear/Open
MUF8005(S)	806-866 MHz	815 MHz	5 dB	Trilinear/Closed
MUF8103(S)	806-896 MHz	815 MHz	3 dB	Collinear/Open
MUF8003(S)	806-896 MHz	815 MHz	3 dB	Collinear/Closed
MUF8325(S)	825-896 MHz	835 MHz	5 dB	Trilinear/Closed
MUF9035(S)	896-940 MHz	898 MHz	5 dB	Trilinear/Closed

Mechanical Specifications

Model	Antenna Length at lowest frequency
MUF3505(S)	Approximately 32"
MUF4065(S)	Approximately 32"
MUF4305(S)	Approximately 32"
MUF4505(S)	Approximately 32"
MUF4705(S)	Approximately 32"
MUF4905(S)	Approximately 32"
MUF8105(S)	Approximately 25"
MUF8005(S)	Approximately 25"
MUF8103(S)	Approximately 15.5"
MUF8003(S)	Approximately 15.5"
MUF8325(S)	Approximately 25"
MUF9035(S)	Approximately 25"

Suffix "S" indicates spring option.

Technical Data

Maximum Power: 200 watts
Nominal Impedance: 50 ohms
VSWR at Resonance: < 1.5:1
Radiator Material: .100" diameter stainless steel
Optional Spring: Stainless steel
Phasing Coil Housing: Low profile molded polymer jacket with copper, nickel and chrome plated bushing
Base Coil Housing: Low profile molded polymer with copper, nickel and chrome plated bushing
Antenna Type: 3 dB: 5/8 wave over a 1/4 wave 5 dB: 5/8 wave over a 1/4 wave