

MHB, MUF Series

# **Base Loaded Field Tunable 3dB Gain Antennas**

These 5/8 Wave antennas utilize a chrome coil design with the enhancement of a heavy-duty tapered rod for maximum durability in tough environments.

#### **Features**

- The matching coil is supported by a low loss coil for superior performance in heavyduty applications
- The tapered coil housing design enhances appearance and prevents moisture from entering the load
- Mates with all 1-1/8"-18 thread mounts, including 3/4" mounts







MHBDC5800

MHB5800

## **STANDARD CONFIGURATION**

Model*	Optional Spring Available*	Recommended Mounts (Sold Separately)			
MHB5800132	No	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts			
MHBDC5800(S)**	Yes	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts			
MHB5800(S)	Yes	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts			
MUF4503(S)	Yes	Mates with 1-1/8"-18 thread mounts, including 3/4" mounts			

## **ELECTRICAL SPECIFICATIONS**

Model*	Frequency Range	Gain	VSWR	Maximum Power	Nominal Impedance	Antenna Type
MHB5800132	132-174 MHz	3 dB	< 1.5:1	200 watts	50 ohms	Base loaded 5/8 Wave
MHBDC5800(S)**	144-174 MHz	3 dB	< 1.5:1	200 watts	50 ohms	Base loaded 5/8 Wave
MHB5800(S)	144-174 MHz	3 dB	< 1.5:1	200 watts	50 ohms	Base loaded 5/8 Wave
MUF4503(S)	450-470 MHz	3 dB	< 1.5:1	200 watts	50 ohms	Base loaded 5/8 Wave

## **MECHANICAL SPECIFICATIONS**

Model*	Approximate Whip Length at Lowest Frequency	Temperature Range	Radiator	Spring Material	Housing Material
MHB5800132	58"	-40°C to +85°C	17-7 PH SS	N/A	Black UV-Stable Polymer
MHBDC5800(S)**	52"	-40°C to +85°C	17-7 PH SS	SST	Black UV-Stable Polymer
MHB5800(S)	52"	-40°C to +85°C	17-7 PH SS	SST	Black UV-Stable Polymer
MUF4503(S)	16"	-40°C to +85°C	17-7 PH SS	SST	Black UV-Stable Polymer

<sup>\*</sup>To select spring option, add suffix "S" to part number. Example: MUF4503S