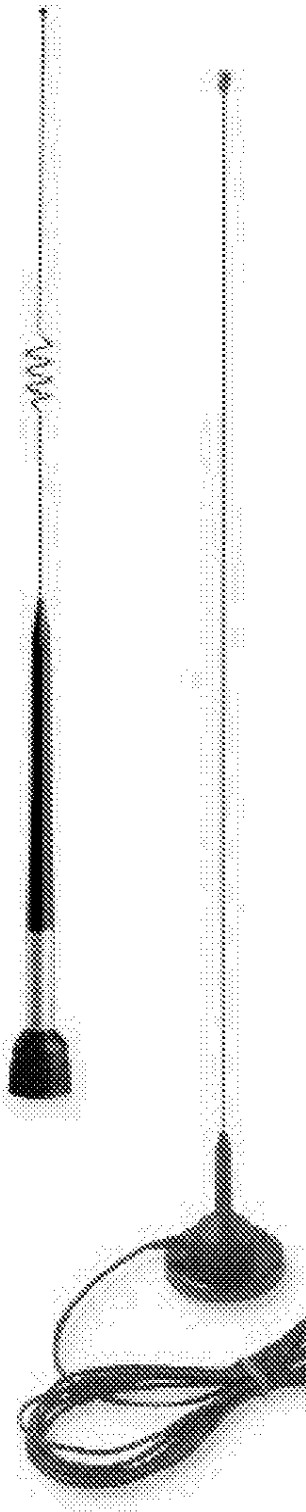


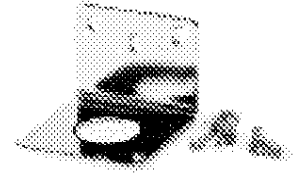
# Mobile Antennas



When selecting a mobile antenna, there are a number of factors to take into consideration that significantly effect the ultimate performance of the antenna. Gain requirements, electrical type, ground plane availability vs. requirements, placement on vehicle temporary vs. permanent mounting, coaxial type and loss ratings, physical size, appearance, and surrounding environment are all issues that must be addressed to ensure the maximum performance from a mobile antenna installation.

For over 30 years, Larsen engineers have been designing high-performance Kulrod mobile antennas in a variety of electrical types and configurations to meet the most demanding performance criteria and operating conditions.

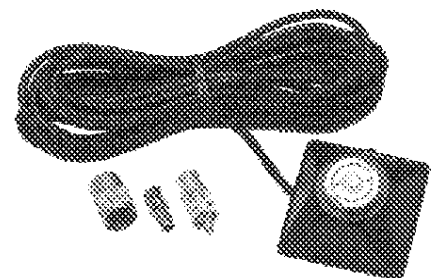
The electrical type or design of the mobile antenna is commonly referred to in terms of the "wavelength" of the antenna, 1/4 wave, 1/2 wave, 5/8 wave, etc. Each of these types has a very specific radiating pattern, and is why its consideration is so important in selecting a mobile antenna. For example, the signal radiating from a 1/4 wave antenna is directed more vertically, thus making it ideal in urban environments where buildings might obstruct the signal. The design of a 5dB collinear mobile antenna is designed to direct the signal more towards the horizon.



This type of antenna is ideal in for applications in a more geographically flat region where signal coverage is sparse, and must cover a larger area.

Ground plane requirement is another critical factor in mobile antenna performance, and must be considered when determining the location of the antenna. Ground plane requirements vary given the type of mobile antenna and the frequency of operation. A typical 5/8 wave antenna at 150 MHz requires a ground plane of at least 42" in diameter. At 450 MHz, 15" is required, and 800 MHz, a minimum of 8" is considered sufficient.

In terms of mounting mobile antennas on a vehicle, there are five 'general' locations; the roof, front fender, rear fender, trunk and rear window glass (although other glass mount locations may be used). Of these, the center of an automobile roof is considered the best for mobile antenna placement, followed by the center of the trunk lid, the fenders,



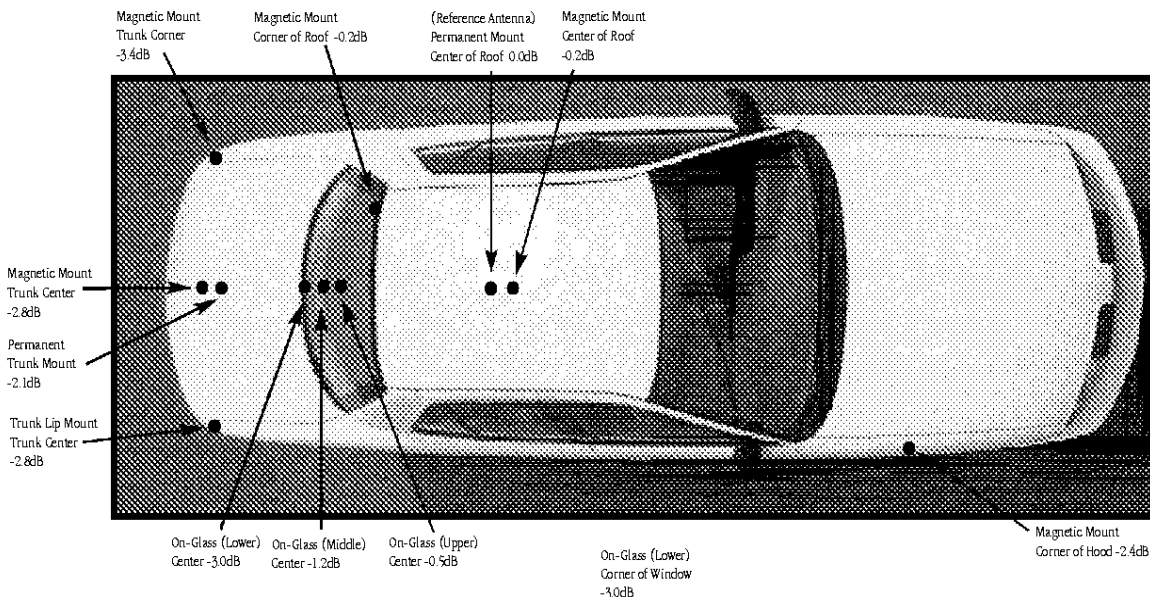
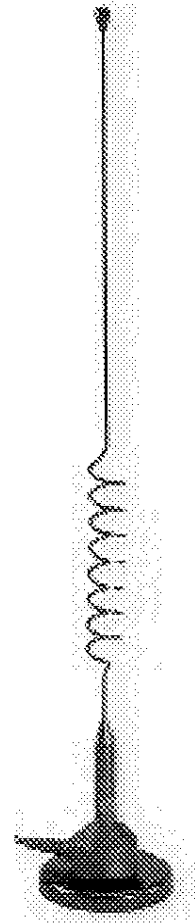
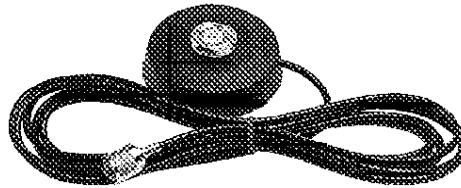
At Larsen, we want our customers to be confident that they can find the right antenna for the right application. For this reason, we have provided you with some guidelines for mobile antenna selection.

and then on-glass mounting. This "ranking" is determined by the amount of ground plane provided by the positioning, and clearance from obstruction (i.e.: the roof line), and is the reason the center of the roof is considered the ideal mounting location, provided the roof is metal.

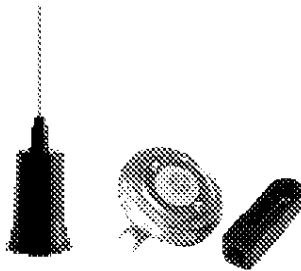
The diagram below illustrates the effective loss (at 800 MHz) due to insufficient symmetrical ground plane. Although there may be some inherent losses, there are definite advantages to using the various locations, as well as optional mounting configurations.

Larsen provides a complete selection of permanent and temporary mounting alternatives, using only the highest quality materials to ensure superior electrical

performance and mechanical durability. They include magnetic mounts (MM, MMR, MS), trunk lid mounts (TLM, TLP), trunk gutter brackets (TMB), mirror mount brackets (MB), window clip mounts (KGK), and of course, traditional permanent hole mounts for all series.

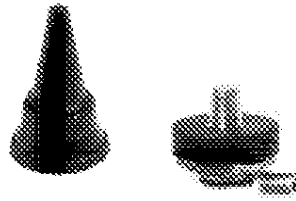


# Mobile Antenna Series Designation



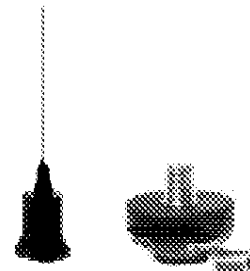
## NMO

The most popular is the NMO or "new Motorola" style mount. This product is styled after the industry standard TAD/TAE 3/4" hole mount. Larsen's NMO version consists of nickel plated brass bushing and silver plated contact for maximum conductivity, and corrosion resistance. The NMO is available in the following temporary mounting styles, MM, MMR, TLM, TLP, TMB and MMB. In addition, there is an NMO mount that is a 3/8" snap-in type, and a "THK" version for mounting on thick surfaces.



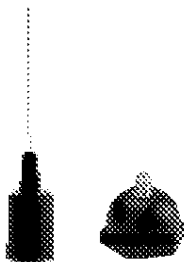
## CM

The CM series antenna is designated by its unique "cone" shape base. This brass cone provides for wider bandwidths and lower SWR across the band. It is primarily used for 800 & 900 MHz frequencies. CMs mount on the Larsen LM or any 5/16"-24 THDS stud. CM antennas are available in the MM, MMR, TLM, TLP, and TMB mounting options. There are also mounts available with 1/4" and 1/2" longer studs for thick surface applications.



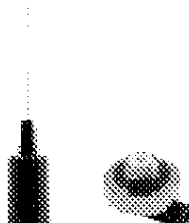
## LM

The LM or "Larsen Mount" is the most simple and easiest of the Larsen mounts, requiring only three pieces to install. Based on a 5/16"-24 THDS stud, this 3/4" hole mount provides a durable roof-hugging installation with high efficiency ground plane contact for full antenna gain potential. LM antennas are available in the MM, MMR, TLM, TLP, and TMB mounting options. There are also mounts available with 1/4" and 1/2" longer studs for thick surface applications.



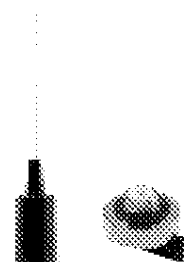
## LA

The LA, or "Larsen Antenna" mount is the original Larsen design. This mount is compatible with the GE "dome" style, 3/8" snap-in mounts. The mount is a 5/16"-24 threaded stud, with dome shaped Makroblend insulator. LA antennas are also compatible with LM mounts, allowing the flexibility of permanent or temporary mounting.



## PO

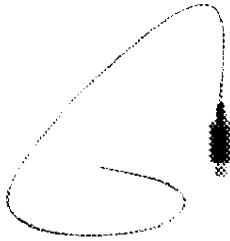
The PO Series mount is an S0239/UHF type mount, and fits in a 3/4" hole. The mount is made of brass for conductivity and stainless steel for durability. The PO is available in the MM, MMR, TLM and TMB temporary mounting options.



## MHW

Similar to the PO series in that it mounts directly to an SO-239 UHF connector; the MHW is a half wave design, and requires no ground plane for operation. The MHW can mount directly on a radio, or any of the PO permanent or temporary mounts. The MHW is available in VHF and UHF frequencies.

Larsen offers a variety of mobile antenna/mount styles, providing literally thousands of different configurations for permanent and temporary mounting, with antennas of varying electrical types



#### PHW

The PHW is a half wave antenna with a flexible radiating element. Useful for quick set up, it is designed to be suspended from any object by the radiating element. No ground plane is required. Interfaces directly with a PL 259 connector.



#### EF

The EF is the "elevated feed" antenna line. The EF is designed to position the radiating element above the roof line or other obstructions, to provide a superior radiating pattern. Larsen EF antennas are available for the 800 & 900 MHz frequency ranges, and in a variety of permanent or temporary mounting configurations.



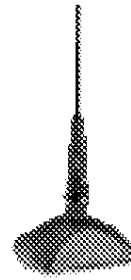
#### OM

The unique OM series is a self mounting, half wave antenna. The coax is integral to the antenna coil, allowing for minimal hole drilling. The half wave design makes it ideal for mounting on any surface, as no ground plane is required. Self mounting with three nuts and bolts, or self tapping screws. Available in VHF, UHF, 800 and 900 MHz frequencies.



#### MM/MS

These antennas are complete antenna/mount units incorporating either a 3" or 2" extra strength magnetic base with a whip antenna. The "mini mag" antennas come with premium quality stranded coax for maximum durability. They are available in VHF, UHF, 800 and 900 MHz frequencies, in unity, 3dB and 5dB configurations.

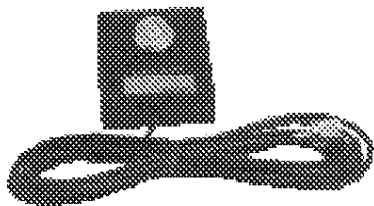


#### KG

Larsen's patented KG Kulglass glass mount antennas feature a low impedance power transfer, and the industry's smallest footprint. With virtually no loss difference (.5dB) through the glass, the no holes mounting makes it an ideal option. The KG series is available in VHF, UHF, Dual Band (VHF/UHF), 800, 900 and 1850 MHz frequencies. Temporary clip on versions are available in 800 & 900 MHz.

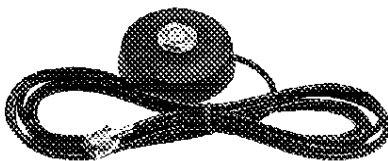


# Mobile Antenna Mount Styles



## MM

Larsen's traditional magnetic mount offers has a rubber outer boot and Teflon tape for protection. It is available with standard RG58A/U coax or premium dual shield coax. Offered for the NMO, LM (CM, LA), and PO antennas.



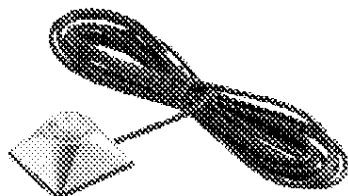
## MMR

Larsen's heavy duty round magnetic mount offers 90lbs of pull strength, and is available with standard RG58A/U coax or premium dual shield coax. Offered for the NMO, LM (CM, LA), and PO (MHW) antennas.



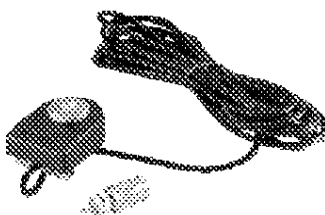
## TMB

The TMB is a trunk gutter bracket, mounting between the trunk "gutter" and the trunk lid. The TMB uses three screws to attach to the inside of the gutter, keeping them invisible from outside the vehicle. Offered for the NMO, LM (CM, LA), and PO (MHW) antennas.



## TLM

The original Larsen trunk lid mount, the TLM is secured to the trunk lid by three set screws. This leaves absolutely no holes when removing the antenna and mount. Offered for the NMO, LM (CM, LA), and PO (MHW) antennas.



## TLP

The TLP is Larsen's low profile trunk lid mount. The sleek compact design is only 3/4" high, and mounts with two set screws. It is constructed of a durable resin polymer plastic, and has a protective foam padded bottom surface. Standard in black, the TLP is available for LM and NMO antennas.



## MB

The MB is Larsen's mirror mount. It's available in two styles: a weather proof NMO mount and a 3/8" hole mount bracket only. Standard in chrome.

# Low Band/Mid Band 27-136MHz

Larsen offers all low/mid band frequencies from 27 MHz to 136 MHz for the NMO or Motorola TAD/TAE style mount. "Q" antennas for the LM mount are available for frequencies from 52-136 MHz.

Larsen NMO low band antennas are a loaded quarter wave design. Mid bands are a 1/4 wave design.

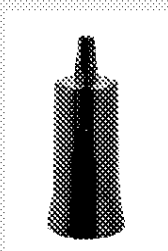
Each antenna features the exclusive Kulrod plating that assures you maximum radiation efficiency without loss of power in rod resistance and heating.

Both NMO and LM series offer a variety of permanent or temporary mount configurations.

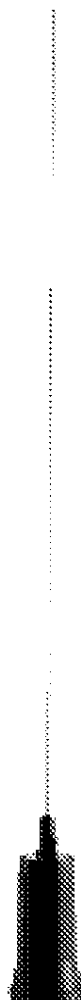
## LARSEN'S LOW/MID BAND LINE OFFER THESE SUPERIOR PERFORMANCE ADVANTAGES:

- Handles full 200 watts of power
- VSWR at 1.5:1 or less
- Heavy-duty base coils are air wound for lowest RF loss
- DC grounded coils (except 27 MHz)
- Tough 17-7 stainless steel Kulrod plate whips for maximum radiation efficiency. Available in black or chrome
- Optional shock spring that is internally shorted with highly flexible insulated wire to eliminate distortion
- Durable Makroblend shells are UV and chemical resistant

# Low Band/Mid Band 27-136MHz



*Black NMO coil only for 27-30 MHz*



*Coil and chrome whip for for NMO mounts, 27-30 MHz. Black coil, chrome whip*



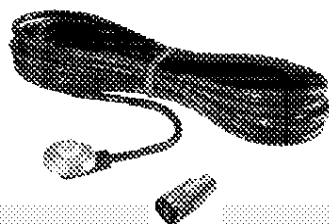
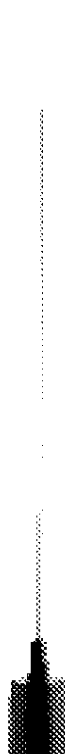
*Coil and black whip for for NMO mounts, 27-30 MHz. Black coil and whip*

MODEL	FREQUENCY
NMO 27 BCO	27-30 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave coil
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	4"

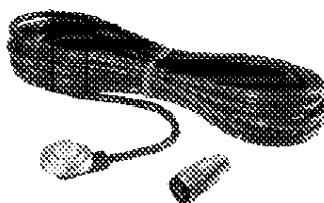
MODEL	FREQUENCY
NMO 27 C	27-30 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 490, .100 tapered
COAX	Order separately
MAX HEIGHT	53"

MODEL	FREQUENCY
NMO 27 B	27-30 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	W 490 B, .100 tapered
COAX	Order separately
MAX HEIGHT	53"

# Low Band/Mid Band 27-136MHz



*Complete NMO antenna and mounting kit, 27-30 MHz. Black coil, chrome whip*



*Complete NMO antenna and mounting kit, 27-30 MHz. Black coil and whip*



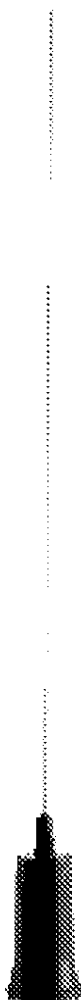
*Black NMO coil only for 30-34 MHz*

MODEL	FREQUENCY
NMO 27-C-K	27-30 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black/Chrome
WHIP	W-490-B, .100 tapered
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	53"

MODEL	FREQUENCY
NMO 27-B-K	27-30 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W-490-B, .100 tapered
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	53"

MODEL	FREQUENCY
NMO 30-B-CO	30-34 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave coil
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	4"

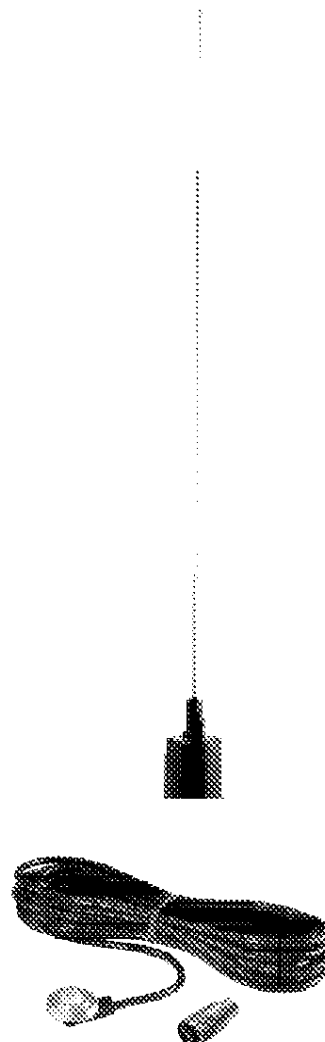
# Low Band/Mid Band 27-136MHz



*Coil and chrome whip for NMO mounts,  
30-34 MHz*



*Coil and black whip for NMO mounts,  
30-34 MHz*



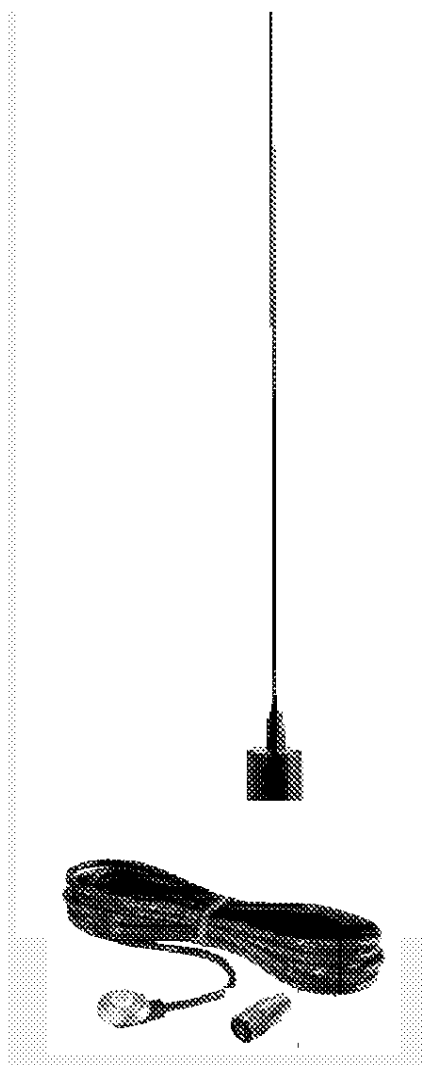
*Complete NMO antenna and mounting kit,  
30-34 MHz. Black coil, chrome whip*

MODEL	FREQUENCY
NMO 3D C	30-34 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black/Chrome
WHIP	W 490, .100 tapered
COAX	Order separately
MAX HEIGHT	53"

MODEL	FREQUENCY
NMO 3D B	30-34 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W 490B, .100 tapered
COAX	Order separately
MAX HEIGHT	53"

MODEL	FREQUENCY
NMO 3D C K	30-34 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave coil
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black/Chrome
WHIP	W 490, .100 tapered
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	53"

# Low Band/Mid Band 27-136MHz



*Complete NMO antenna and mounting kit, 30-34 MHz. Black coil and black whip*



*Black NMO coil only for 34-40 MHz*



*Coil and chrome whip for NMO mounts, 34-40 MHz*

MODEL	FREQUENCY
NMO 30 B K	30-34 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W 490 B, .100 tapered
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	53"

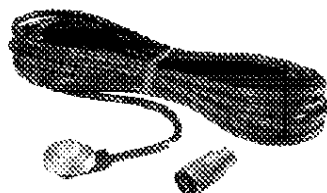
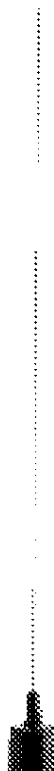
MODEL	FREQUENCY
NMO 34 BCO	34-40 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave coil
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	4"

MODEL	FREQUENCY
NMO 34 C	34-40 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black/Chrome
WHIP	W 490, .100 tapered
COAX	Order separately
MAX HEIGHT	53"

# Low Band/Mid Band 27-136MHz



*Coil and black whip for NMO mounts, 34-40 MHz*



*Complete NMO antenna and mounting kit for 34-40 MHz. Black coil, chrome whip*



*Complete NMO antenna and mounting kit for 34-40 MHz. Black coil and whip*

MODEL	FREQUENCY
NMO 34 B	34-40 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W 490 B, .100 tapered
COAX	Order separately
MAX HEIGHT	53"

MODEL	FREQUENCY
NMO 34 C K	34-40 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black/Chrome
WHIP	W 490 B, .100 tapered
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	53"

MODEL	FREQUENCY
NMO 34 B K	34-40 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W 490 B, .100 tapered
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	53"



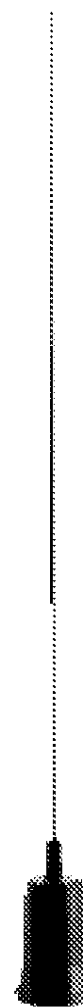
# Low Band/Mid Band 27-136MHz



*Black NMO coil only for 40-50 MHz*



*Coil and chrome whip for NMO mounts, 40-50 MHz*



*Coil and black whip for NMO mounts, 40-50 MHz*

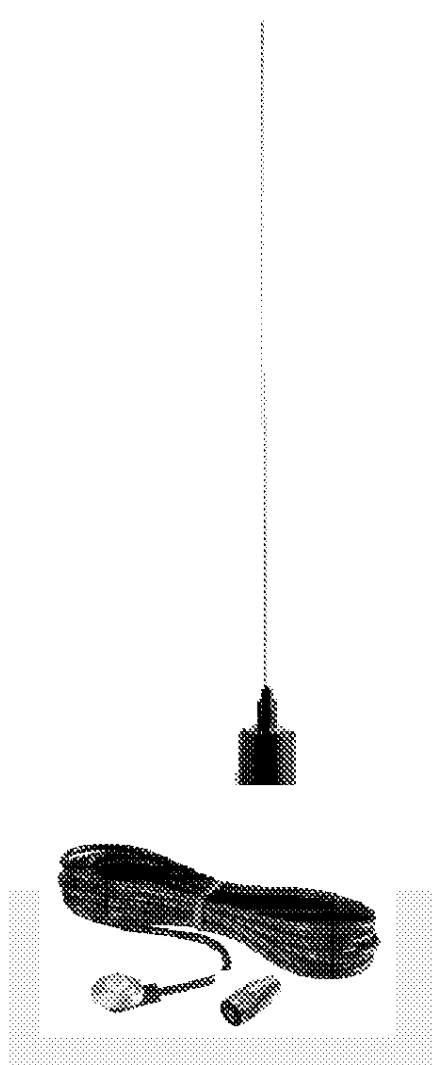
MODEL	FREQUENCY
NMO 4D BCD	40-50 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave coil
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	3 1/2"

MODEL	FREQUENCY
NMO 4D C	40-50 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 490, .100 tapered
COAX	Order separately
MAX HEIGHT	52 1/2"

MODEL	FREQUENCY
NMO 4D B	40-50 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	W 490 B, .100 tapered
COAX	Order separately
MAX HEIGHT	52 1/2"



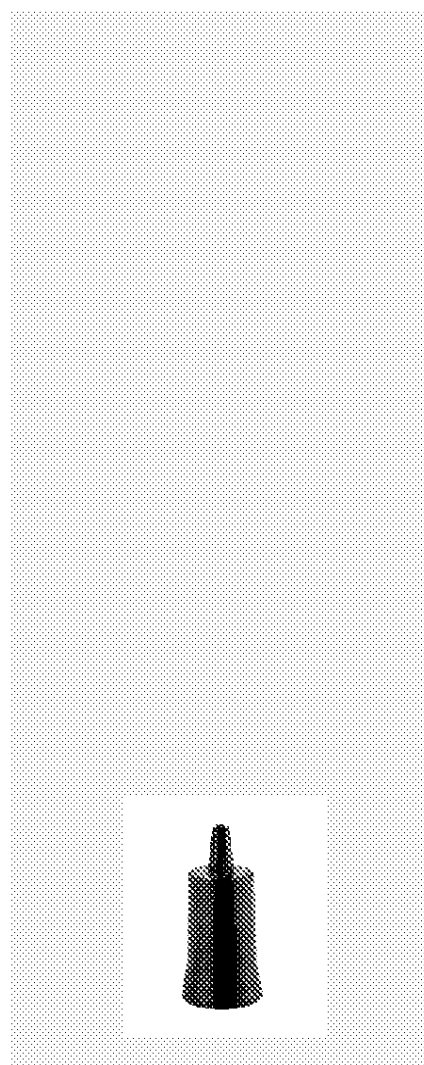
# Low Band/Mid Band 27-136MHz



*Complete NMO antenna and mounting kit for 40-50 MHz. Black coil, chrome whip*



*Complete NMO antenna and mounting kit for 40-50 MHz. Black coil and whip*



*Black NMO coil only for 47-54 MHz*

MODEL	FREQUENCY
NMO 40 C K	40-50 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 490, 100 tapered
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	52 1/2"

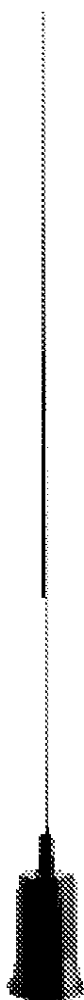
MODEL	FREQUENCY
NMO 40 B K	40-50 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	W 490 B, 100 tapered
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	52 1/2"

MODEL	FREQUENCY
NMO 50 BCO	47-54 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave coil
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	3 1/2"

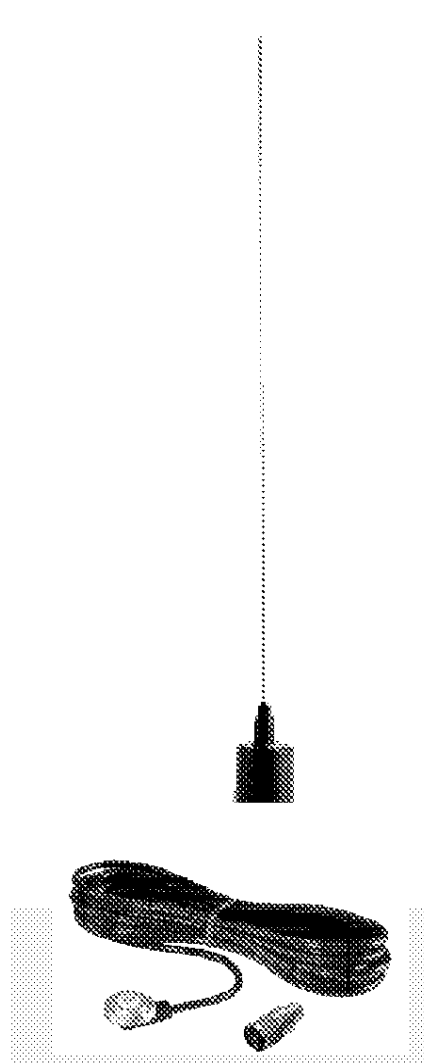
# Low Band/Mid Band 27-136MHz



*Coil and chrome whip for NMO mounts,  
47-54 MHz*



*Coil and black whip for NMO mounts,  
47-54 MHz*



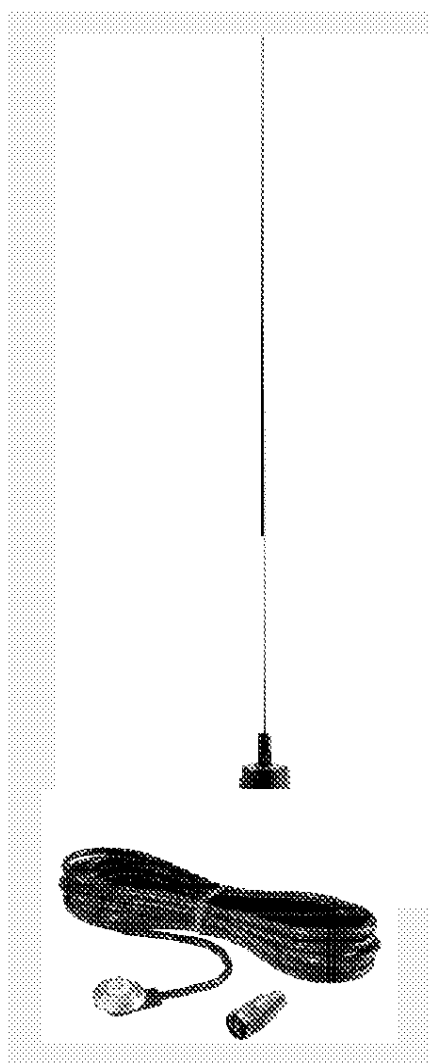
*Complete NMO antenna and mounting kit,  
47-54 MHz. Black coil, chrome whip*

MODEL	FREQUENCY
NMO 50 C	47-54 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 490, .100 tapered
COAX	Order separately
MAX HEIGHT	52 1/2"

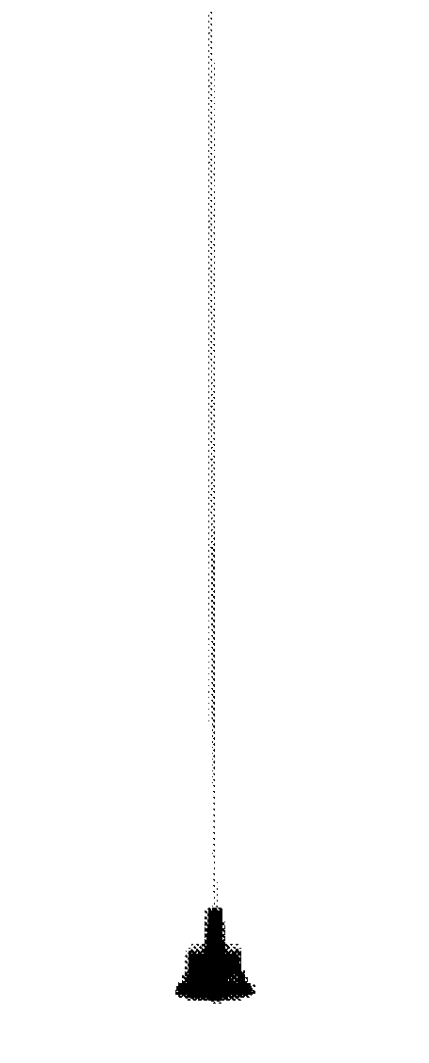
MODEL	FREQUENCY
NMO 50 B	47-54 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	W 490 B, .100 tapered
COAX	Order separately
MAX HEIGHT	52 1/2"

MODEL	FREQUENCY
NMO 50 C K	47-54 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 490, .100 tapered
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	52 1/2"

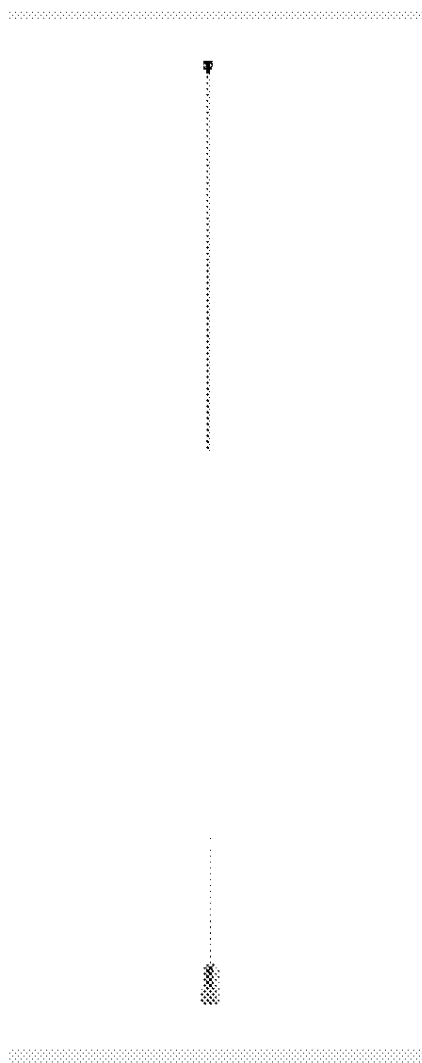
# Low Band/Mid Band 27-136MHz



Complete NMO antenna and mounting kit, 47-54 MHz. Black coil and whip



NMO 1/4 wave antenna for 52-88 MHz. Black base, chrome whip



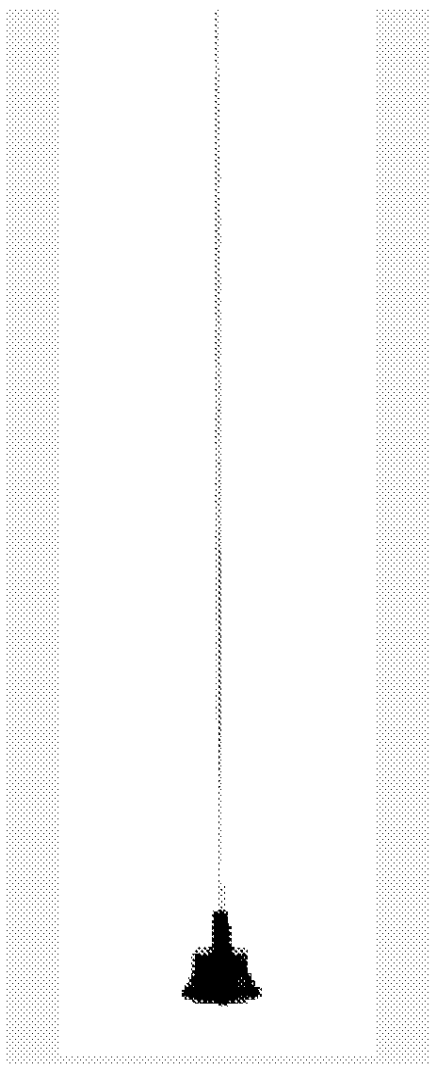
"Q" 1/4 wave antenna for LA or LM mounts, 52-88 MHz

MODEL	FREQUENCY
NMO 50 B K	47-54 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Loaded 1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	W 490 B, 100 tapered
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	52 1/2"

MODEL	FREQUENCY
NMOQ 52 C	52-88 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 540, 100 tapered
COAX	Order separately
MAX HEIGHT	55"

MODEL	FREQUENCY
QS2	52-88 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Chrome
WHIP	W 540, 100 tapered
COAX	Order separately
MAX HEIGHT	55"

# Low Band/Mid Band 27-136MHz



*NMO 1/4 wave antenna for 88-136 MHz. Black base, chrome whip*



*"Q" 1/4 wave antenna for LA or LM mounts, 88-136 MHz*

MODEL	FREQUENCY
NMO 88 C	88-136 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 400, 100
COAX	Order separately
CONNECTOR	Order separately
MAX HEIGHT	35"

MODEL	FREQUENCY
Q 88	88-136 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Chrome
WHIP	W 400, 100
COAX	Order separately
CONNECTOR	Order separately
MAX HEIGHT	35"

# Dual Band VHF/UHF

Larsen offers a variety of mobile antennas for both commercial and amateur dual band applications.

Each antenna is specifically designed to provide excellent performance for simultaneous use of VHF and UHF frequencies. One antenna conveniently serves both bands whether using a dual band radio, or two separate radios.

## LARSEN DUAL BAND ANTENNAS ARE AVAILABLE IN THE FOLLOWING STYLES:

---

KG - Patented low-impedance design in a glass mounted antenna

LM - Rugged 5/16-24 THDS stud mount for 3/4" hole, low profile, easy to install mount

MM - Economical, complete mag mount antenna, compact design

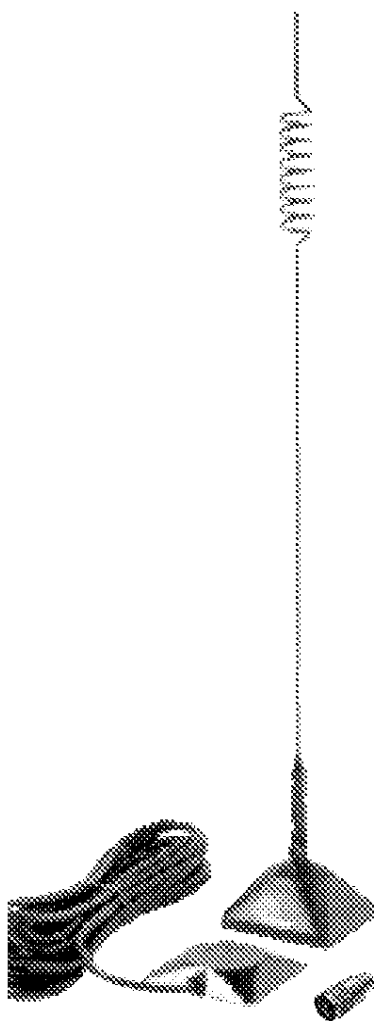
NMO - Premium Motorola style 3/4" hole mount

## LARSEN'S DUAL BAND LINE OFFER THESE SUPERIOR PERFORMANCE ADVANTAGES:

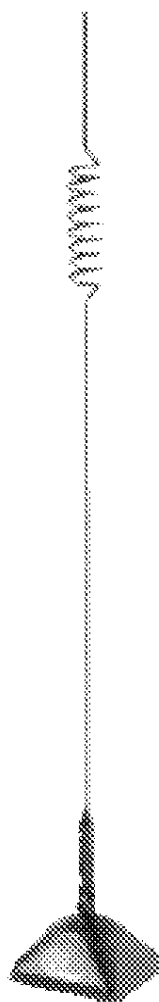
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- Handles full 200 watts of power (except KG)
- VSWR at 1.5:1 or less
- Heavy-duty base coils are air wound for lowest RF loss
- Tough 17-7 stainless steel Kulrod plated whips for maximum radiation efficiency.
- Optional shock spring that is internally shorted with highly flexible insulated wire to eliminate distortion
- Durable Makroblend shells are UV and chemical resistant

# Dual Band VHF/UHF



*Glass mount dual band antenna for 2m/70cm amateur radio frequencies*



*Outside coupler and whip for KG 2/70 glass mount antenna*



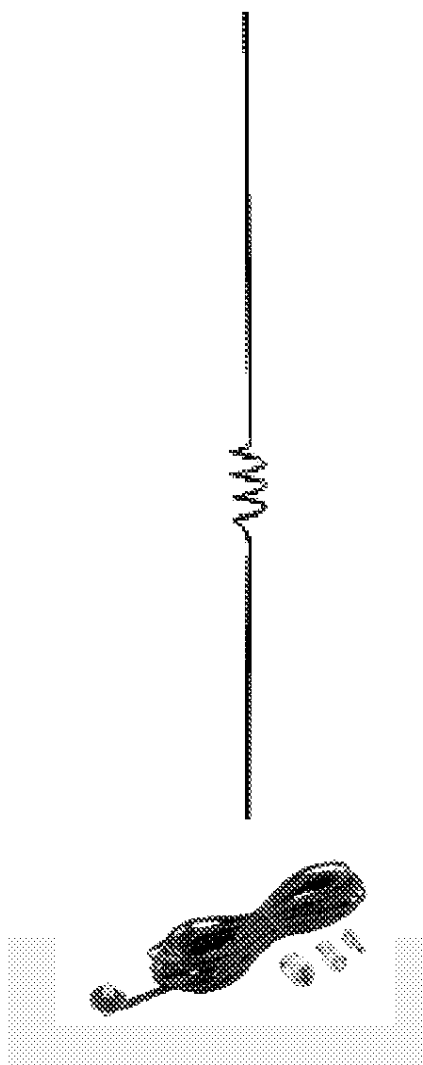
*2m/70cm whip antenna for LM mounts*

MODEL	FREQUENCY
KG 2/70 UD PL	144-148/442-448 MHz
SPECIFICATIONS	
GAIN	2.4/4dB
TYPE	1/2 wave/collinear
VSWR	1.5:1 or less
POWER RATING	100 watts
COLOR	Black
WHIP	W KG 2/70, .100 open coil
COAX	14' RG-58U Dual Shield
CONNECTOR	PL-259
MAX HEIGHT	32 3/4"

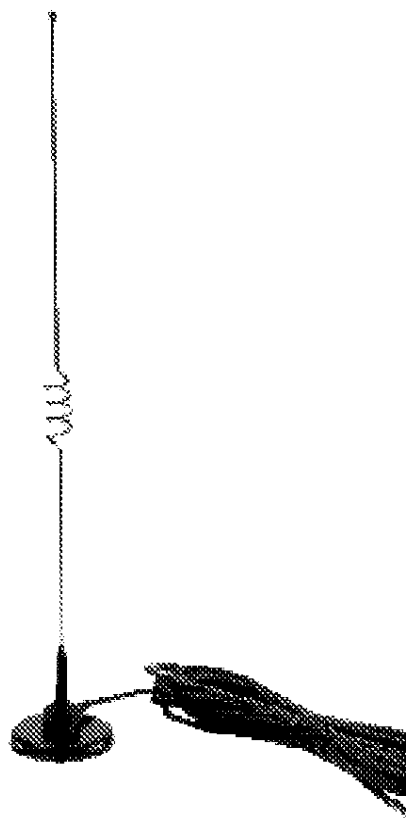
MODEL	FREQUENCY
KG 2/70 O/S	144-148/442-448MHz
SPECIFICATIONS	
GAIN	2.4/4dB
TYPE	1/2 wave/collinear
VSWR	1.5:1 or less
POWER RATING	100 watts
COLOR	Black
WHIP	W 2/70, .100 open coil
COAX	Order separately
MAX HEIGHT	32 3/4"

MODEL	FREQUENCY
LMC 2/70 B	144-148/442-448 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Center loaded 1/4 wave, center loaded 3/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	.100 open coil
COAX	Order separately
MAX HEIGHT	18"

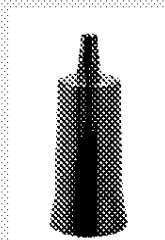
# Dual Band VHF/UHF



Complete LM 2m/70cm antenna and mounting kit.



Complete 2m/70cm mag mount antenna



Black NMO coil only for 2m/70cm amateur radio frequencies

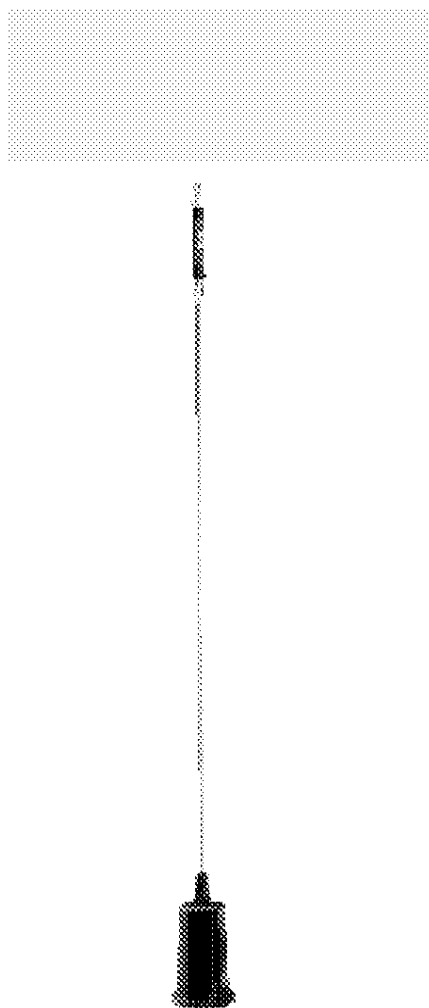
MODEL	FREQUENCY
LMC 2/70 B K	144-148/442-448 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Center loaded 1/4 wave, center loaded 3/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W LM 2/70 B, .100 open coil
COAX	12' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	18"

MODEL	FREQUENCY
MM 2/70 PL	144-148/442-448 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Center loaded 1/4 wave, center loaded 3/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W MM 2/70, .100 open coil
COAX	12' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	18"

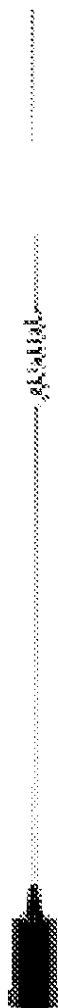
MODEL	FREQUENCY
NMO 2/70 BCO	144-148/440-450 MHz
SPECIFICATIONS	
GAIN	2.4/4dB
TYPE	Dual band coil
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	3"



# Dual Band VHF/UHF



*Amateur 2m/70cm dual band antenna for NMO mounts. Black coil, chrome whip*



*Amateur 2m/70cm dual band antenna for NMO mounts. Black coil and whip*



*Complete Amateur 2m/70cm dual band antenna for NMO mounts. Black coil, chrome whip*

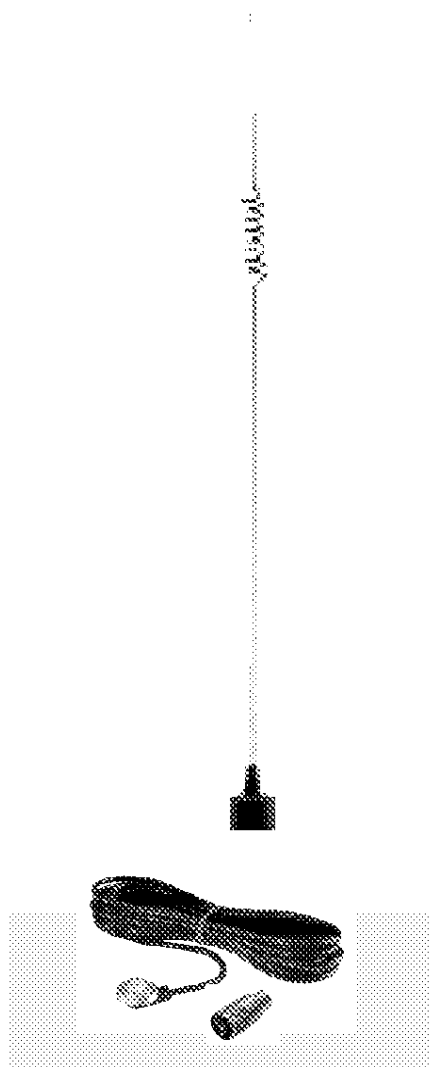
MODEL	FREQUENCY
NMO 2/70 C	144-148/440-450 MHz
SPECIFICATIONS	
GAIN	2.4/4dB
TYPE	5/8 wave/collinear
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W NMO 2/70, 100 enc. coil
COAX	Order separately
MAX HEIGHT	37 1/4"

MODEL	FREQUENCY
NMO 2/70 B	144-148/440-450 MHz
SPECIFICATIONS	
GAIN	2.4/4dB
TYPE	5/8 wave/collinear
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	W NMO 2/70 B, 100 open coil
COAX	Order separately
MAX HEIGHT	36 3/4"

MODEL	FREQUENCY
NMO 2/70 C K	144-148/440-450 MHz
SPECIFICATIONS	
GAIN	2.4/4dB
TYPE	5/8 wave/collinear
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W NMO 2/70, 100 enc. coil
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	37 1/4"



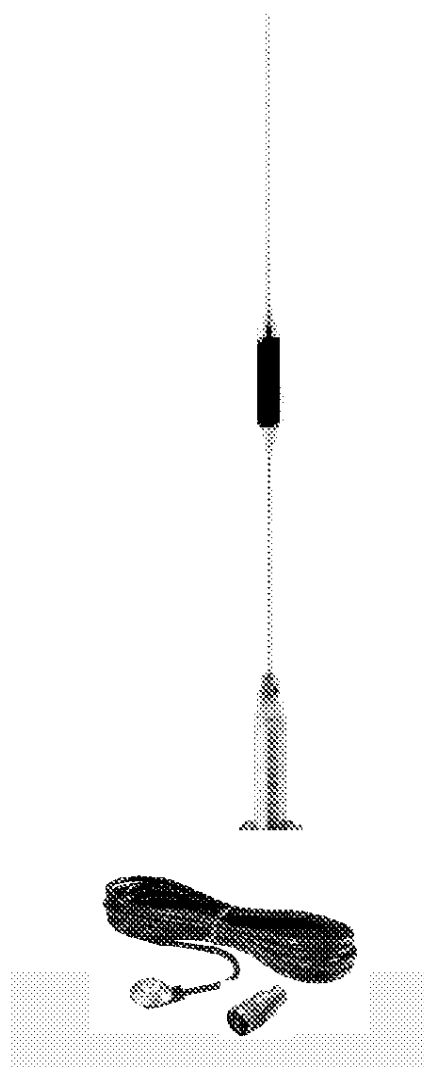
# Dual Band VHF/UHF



*Complete Amateur 2m/70cm dual band antenna and NMO mounting kit. Black base and whip*



*Lower profile Amateur 2m/70cm dual band antenna with spring for NMO mounts*



*Complete lower profile Amateur 2m/70cm dual band antenna with spring and NMO mounting kit*

MODEL	FREQUENCY
NMO 2/70 B K	144-148 / 440-450 MHz
SPECIFICATIONS	
GAIN	2.4/4dB
TYPE	5/8 wave/collinear
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	W NMO 2/70 B, .100 open coil
COAX	17" RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	36 3/4"

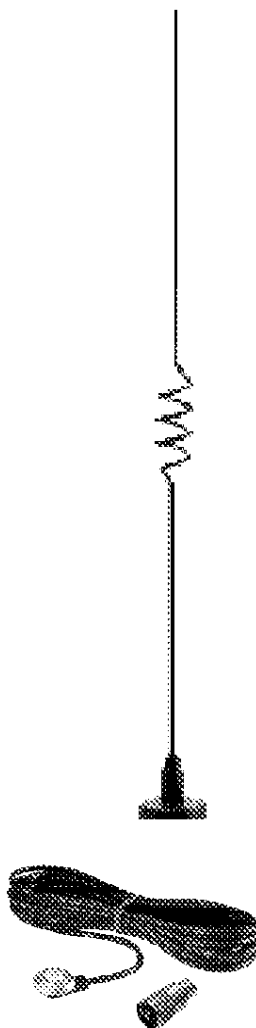
MODEL	FREQUENCY
NMO 2/70 SH	144-148 / 440-450 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Center loaded 1/4 wave center loaded 3/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W NMO 2/70 SH, .100 enc. coil
COAX	Order separately
MAX HEIGHT	19"

MODEL	FREQUENCY
NMO 2/70 SH K	144-148 / 440-450 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Center loaded 1/4 wave, center loaded 3/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W NMO 2/70 SH, .100 enc. coil
COAX	17" RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	19"

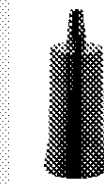
# Dual Band VHF/UHF



*Lower profile Amateur 2m/70cm dual band antenna for NMO mounts. Black base and whip*



*Complete lower profile Amateur 2m/70cm dual band antenna and NMO mounting kit. Black base and whip*



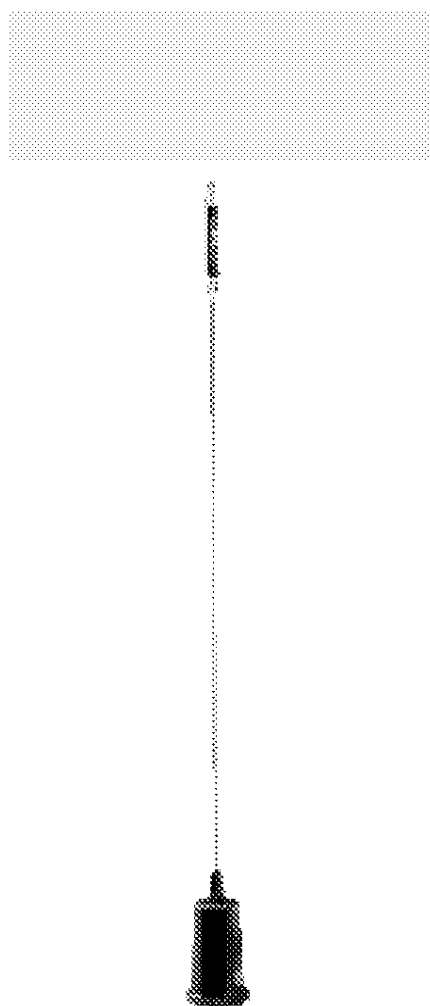
*Commercial VHF/UHF dual band black coil only for NMO mounts*

MODEL	FREQUENCY
NMOQ 2/70 B	144-148/440-450 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Center loaded 1/4 wave, center loaded 3/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W NMOQ 2/70 B, .100 open coil
COAX	Order separately
MAX HEIGHT	19"

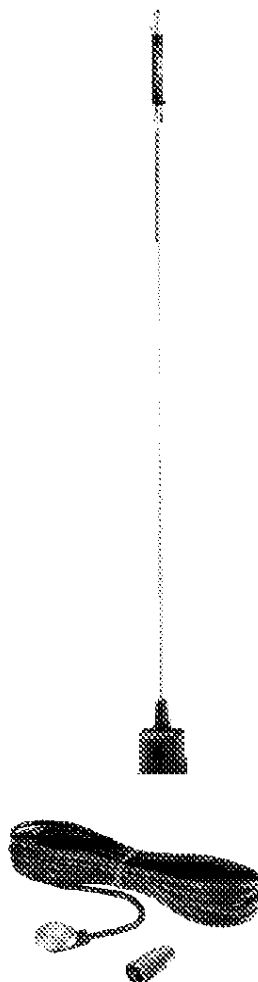
MODEL	FREQUENCY
NMOQ 2/70 B K	144-148/440-450 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Center loaded 1/4 wave, center loaded 3/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W NMOQ 2/70 B, .100 open coil
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	19"

MODEL	FREQUENCY
NMO 150/450 BCO	150-154/450-460 MHz
SPECIFICATIONS	
GAIN	2.4/4dB
TYPE	Dual band coil
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	3"

# Dual Band VHF/UHF



*Commercial VHF/UHF dual band antenna for NMO mounts. Black coil, chrome whip*



*Complete commercial VHF/UHF dual band antenna and mounting kit. Black coil, chrome whip*

MODEL	FREQUENCY
NMO 150/450 C	150-154/450-460 MHz
SPECIFICATIONS	
GAIN	2.4/4dB
TYPE	5/8 wave/collinear
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 150/450, .100 enc. coil
COAX	Order separately
MAX HEIGHT	37 1/4"

MODEL	FREQUENCY
NMO 150/450 C K	150-154/450-460 MHz
SPECIFICATIONS	
GAIN	2.4/4dB
TYPE	5/8 wave/collinear
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 150/450, .100 enc. coil
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	37 1/4"

# Mobile VHF 136 - 174 MHz

Appearance, performance, dependable, long term service, those are the key words describing Larsen VHF mobile antennas. Our exclusive Kulrod plating system assures maximum radiation efficiency without the loss of power through rod heating.

## LARSEN OFFERS VHF ANTENNAS IN 1/4 WAVE, 1/2 WAVE, AND 5/8 WAVE DESIGNS, AND ARE AVAILABLE IN THE FOLLOWING STYLES:

KG - Patented low-impedance design in a glass mounted antenna  
LA - 'Dome' style 3/8" snap in mount  
LM - Durable 5/16-24 THDS stud mount for 3/4" hole, low profile, easy to install mount  
MHW - Half wave, no ground plane antenna for SO 239 type mounts (144-174 only)  
MM/MS - Economical, complete mag mount antenna, compact design  
NMO - Premium Motorola style 3/4" hole mount  
OM - Self mounting, no ground plane antenna  
PHW - Half wave design antenna with flexible radiating element. Mounts on a PL 259 connection. (144-174 only)  
PO - DC ground, SO-239/UHF type mount antenna

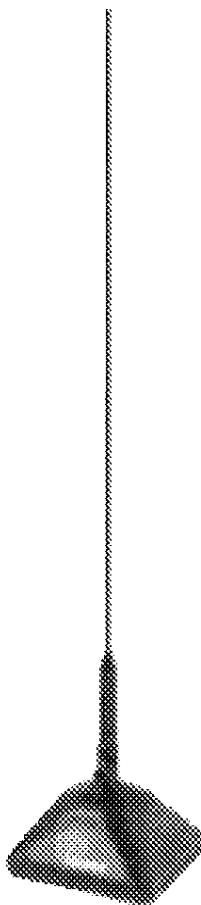
## COUNT ON LARSEN VHF ANTENNAS TO DELIVER THESE SUPERIOR PERFORMANCE ADVANTAGES:

- Handles full 200 watts of power (except KG,MS)
- VSWR at 1.5:1 or less
- Heavy-duty base coils are air wound for lowest RF loss
- Tough 17-7 stainless steel Kulrod plated whips for maximum radiation efficiency.
- Available in black or chrome
- Optional shock spring that is internally shorted with highly flexible insulated wire to eliminate distortion
- Durable Makroblend shells are UV and chemical resistant

# Mobile VHF 136 - 174 MHz



*Complete KG glass mount antenna for 144-160 MHz*



*Outside coupler and whip for KG 144 glass mount antenna, 144-160 MHz*



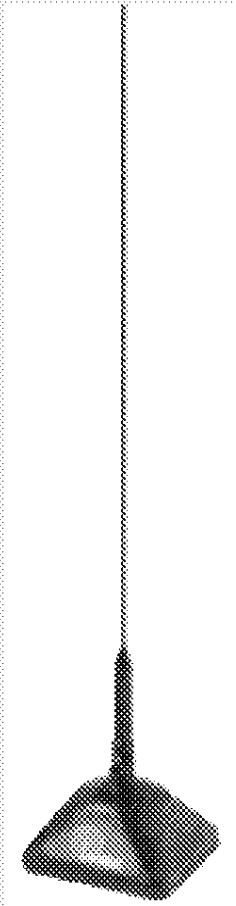
*Complete KG glass mount antenna for 160-174 MHz*

MODEL	FREQUENCY	CONNECTOR
KG 144 UD	144-160 MHz	No Conn
KG 144 UD PL	144-160 MHz	PL-259
SPECIFICATIONS		
GAIN	2.5dB	
TYPE	1/2 wave	
VSWR	1.5:1 or less	
POWERRATING	100 watts	
COLOR	Black	
WHIP	W KG 144, .100 tapered	
COAX	14' RG58/U Dual Shield	
MAX HEIGHT	48"	

MODEL	FREQUENCY
KG 144 O/S	144-160 MHz
SPECIFICATIONS	
GAIN	2.5dB
TYPE	1/2 wave
VSWR	1.5:1 or less
POWERRATING	100 watts
COLOR	Black
WHIP	W KG 144, .100 tapered
COAX	Order separately
MAX HEIGHT	48"

MODEL	FREQUENCY	CONNECTOR
KG 160 UD	160-174 MHz	No Conn
KG 160 UD PL	160-174 MHz	PL-259
SPECIFICATIONS		
GAIN	2.5dB	
TYPE	1/2 wave	
VSWR	1.5:1 or less	
POWERRATING	100 watts	
COLOR	Black	
WHIP	W KG 160, .100 tapered	
COAX	14' RG58/U Dual Shield	
MAX HEIGHT	47"	

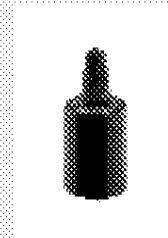
# Mobile VHF 136 - 174 MHz



*Outside coupler and whip for KG 160 glass mount antenna, 160-174 MHz*



*Inside coupler with coax for KG VHF antennas*



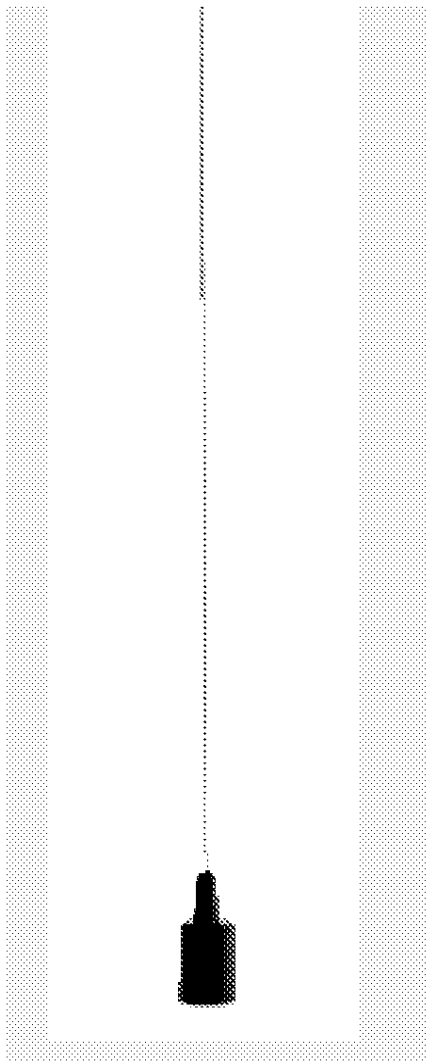
*Black LA coil only for 144-174 MHz*

MODEL	FREQUENCY
KG 160 O/S	160-174 MHz
SPECIFICATIONS	
GAIN	2.5dB
TYPE	1/2 wave
VSWR	1.5:1 or less
POWER RATING	100 watts
COLOR	Black
WHIP	W KG 160, .300 tapered
COAX	Order separately
MAX HEIGHT	47"

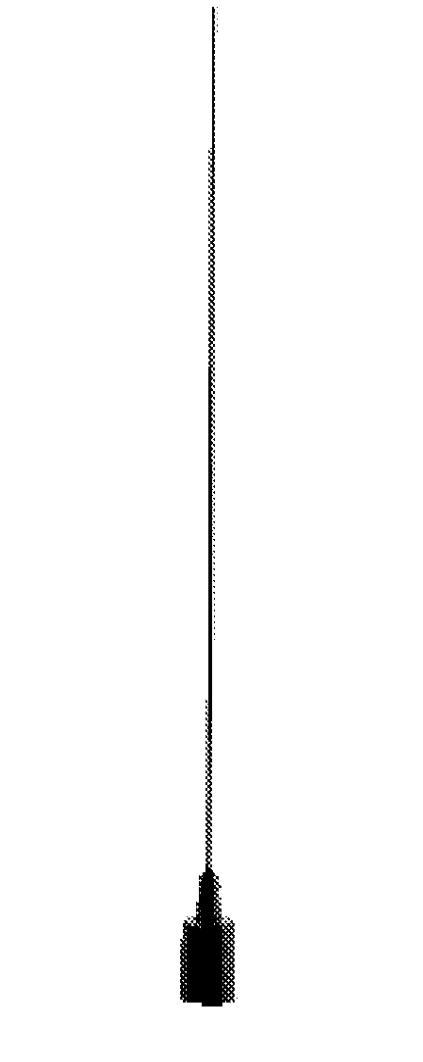
MODEL	FREQUENCY
KG VHF UD 1/S	144-174 & 2/70 MHz
SPECIFICATIONS	
POWER RATING	100 watts
COLOR	Black
COAX	14' RG58/U Dual Shield
CONNECTOR	Order separately

MODEL	FREQUENCY
LA 150 BCO	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave coil
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	2 1/2"

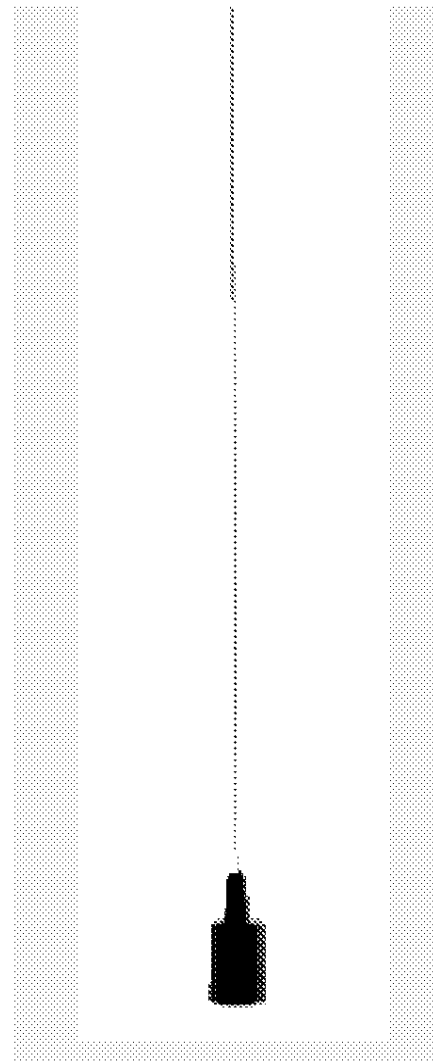
# Mobile VHF 136 - 174 MHz



*Coil and chrome whip for LA mounts,  
144-174 MHz*



*Coil and black whip for LA mounts,  
144-174 MHz*



*Coil and unplated stainless whip for LA  
mounts, 144-174 MHz*

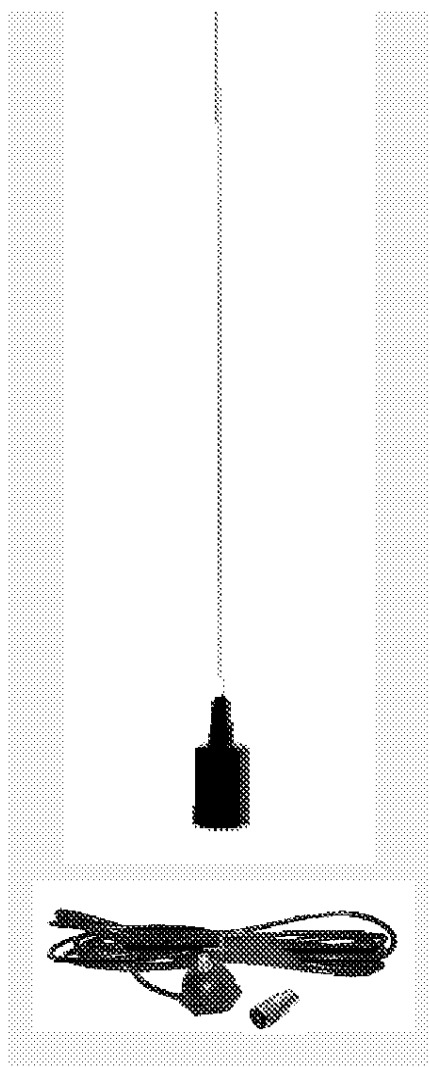
MODEL	FREQUENCY
LA 150 C	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 490, 100 tapered
COAX	Order separately
MAX HEIGHT	51 1/2"

MODEL	FREQUENCY
LA 150 B	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	W 490 B, 100 tapered
COAX	Order separately
MAX HEIGHT	51 1/2"

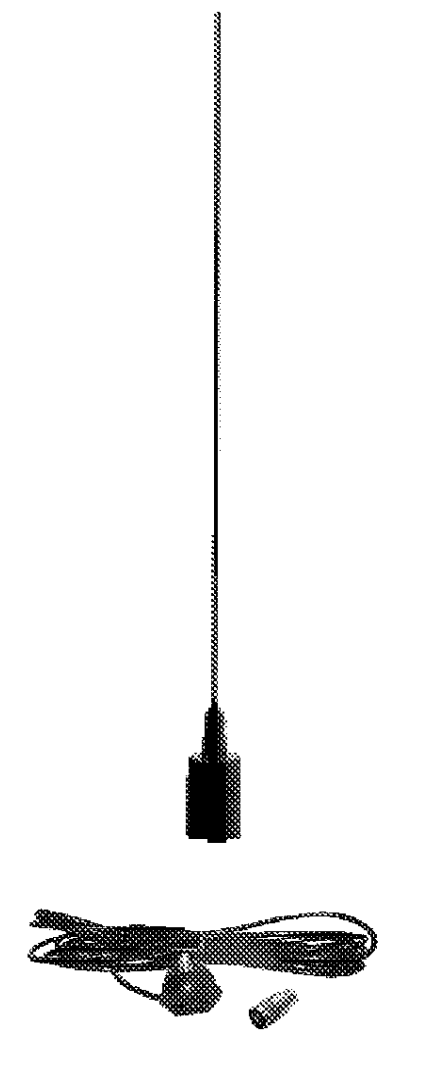
MODEL	FREQUENCY
LA 150 U	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 490 U, 100 tapered, unplated
COAX	Order separately
MAX HEIGHT	51 1/2"



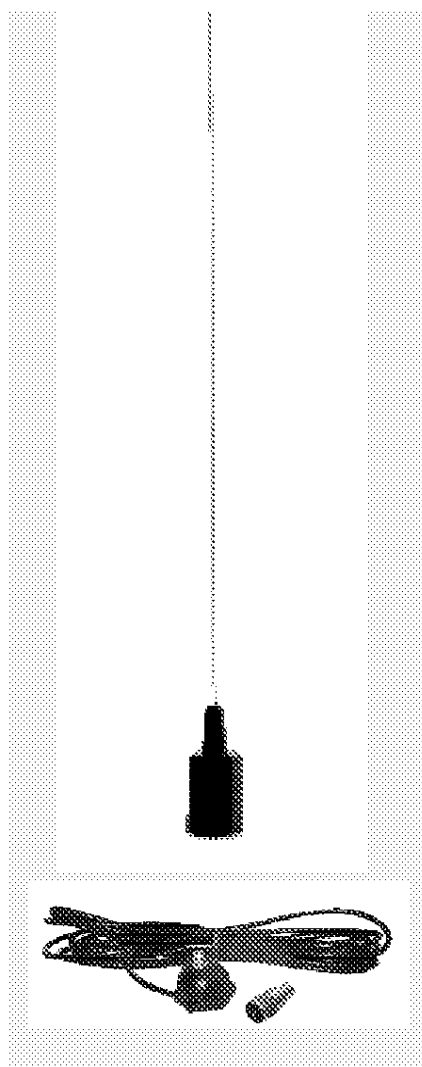
# Mobile VHF 136 - 174 MHz



*Complete LA antenna and mounting kit for 144-174 MHz. Black coil, chrome whip*



*Complete LA antenna and mounting kit for 144-174 MHz. Black coil and whip*



*Complete LA antenna and mounting kit for 144-174 MHz. Black base, unplated stainless steel whip*

MODEL	FREQUENCY
LA 150 C K	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 490, 100 tapered
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	52 1/2"

MODEL	FREQUENCY
LA 150 B K	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	W 490 B, 100 tapered
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	52 1/2"

MODEL	FREQUENCY
LA 150 U K	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 490 U, 100 tapered, unplated
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	52 1/2"



# Mobile VHF 136 - 174 MHz



*Wideband VHF 1/4 wave for LA mounts*



*Complete wideband VHF 1/4 wave and LA mounting kit*



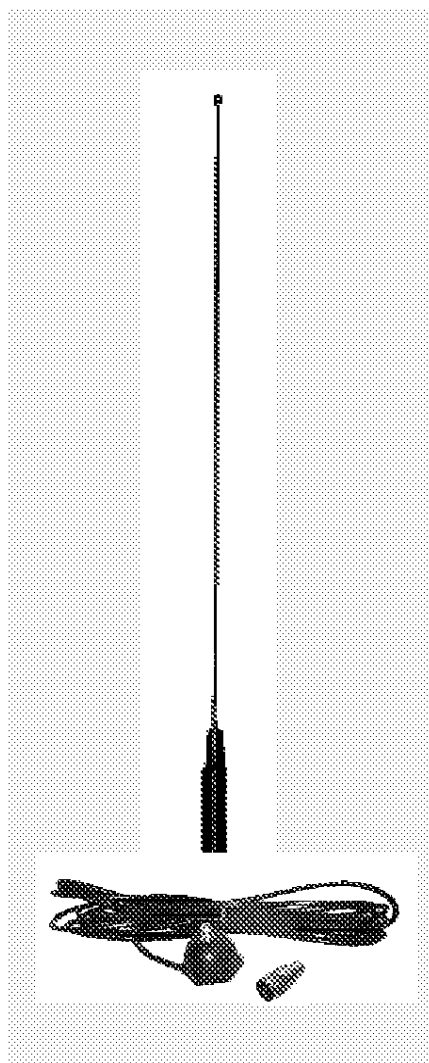
*Black wideband VHF 1/4 wave for LA mounts*

MODEL	FREQUENCY
LA-WBQ	150-170 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Wideband 1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Chrome
WHIP	W-LM-WBQ, .125, with spring
COAX	Order separately
MAX HEIGHT	15 1/2"

MODEL	FREQUENCY
LA-WBQ-K	150-170 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Wideband 1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Chrome
WHIP	W-LM-WBQ, .125, with spring
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	15 1/2"

MODEL	FREQUENCY
LA-WBQ-B	150-170 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Wideband 1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	W-LM-WBQB, .125, with spring
COAX	Order separately
MAX HEIGHT	15 1/2"

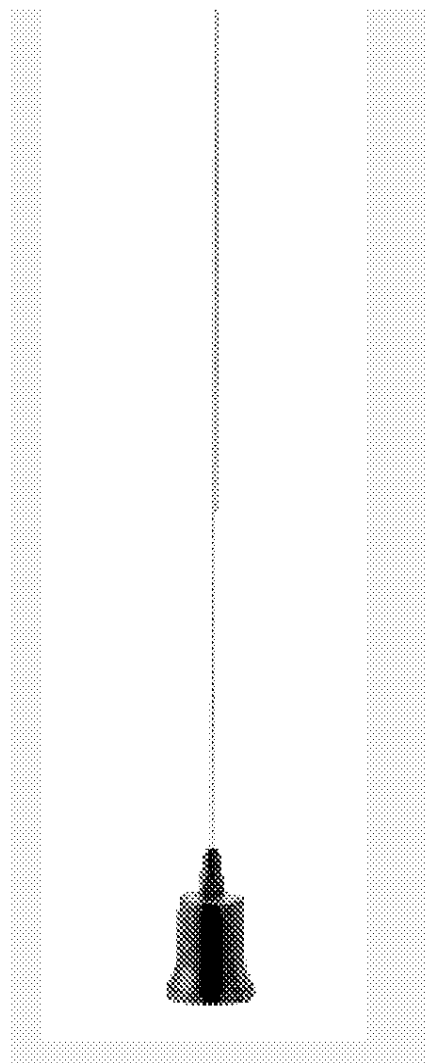
# Mobile VHF 136 - 174 MHz



*Complete black wideband VHF 1/4 wave and LA mounting kit*



*Black LM coil only for 144-174 MHz*



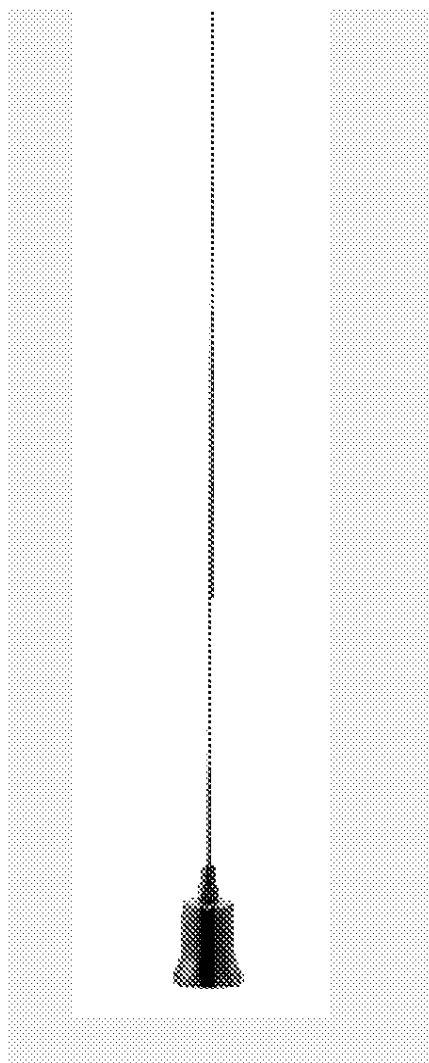
*Coil and chrome whip for LM mounts, 144-174 MHz*

MODEL	FREQUENCY
LA WBQ B	150-170 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Wideband 1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	W LM WBQB, .125, with spring
COAX	17' RG-58A/U
CONNECTOR	PL 259
MAX HEIGHT	15 1/2"

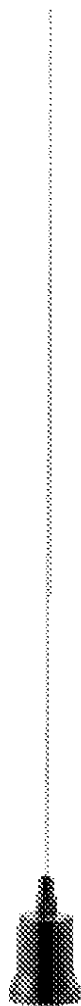
MODEL	FREQUENCY
LM 150 BCO	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave coil
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	2 3/4"

MODEL	FREQUENCY
LM 150 C	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 490, .100 tapered
COAX	Order separately
MAX HEIGHT	51 3/4"

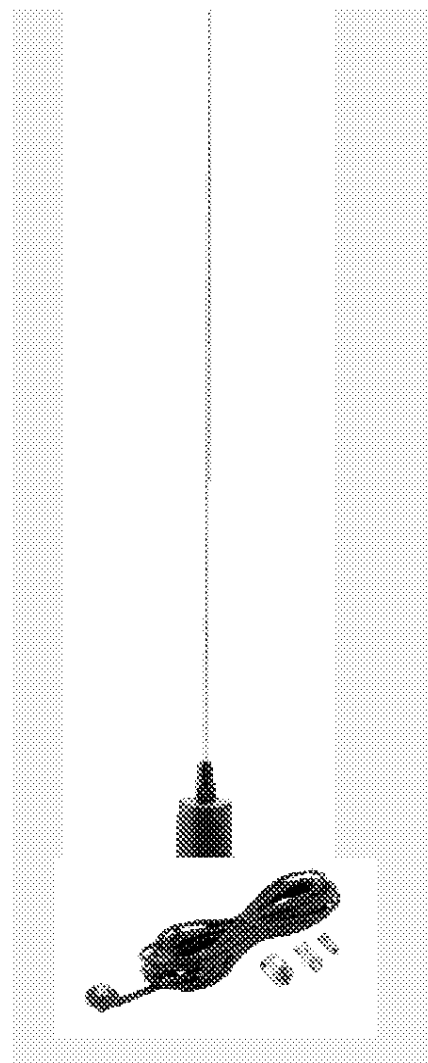
# Mobile VHF 136 - 174 MHz



*Coil and black whip for LM mounts, 144-174 MHz*



*Coil and unplated stainless steel whip for LM mounts, 144-174 MHz*



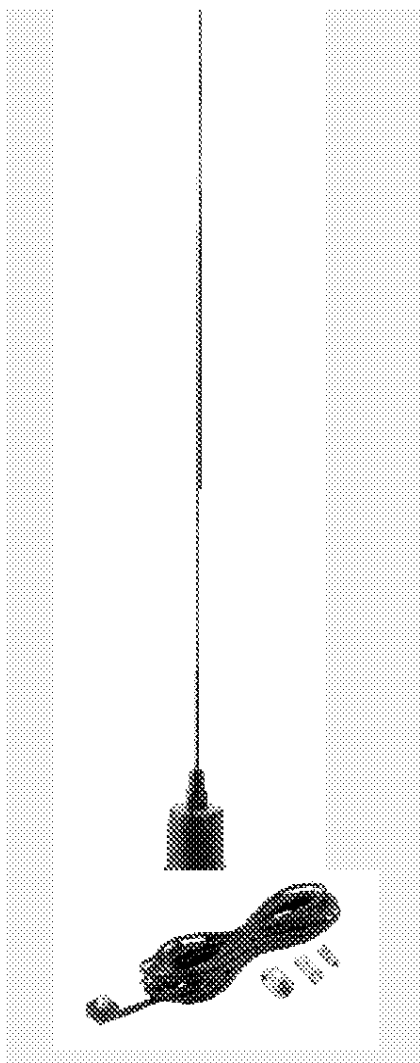
*Complete LM antenna and mounting kit for 144-174 MHz. Black coil, chrome whip*

MODEL	FREQUENCY
LM 150 B	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	W 490 B, 100 tapered
COAX	Order separately
MAX HEIGHT	51 3/4"

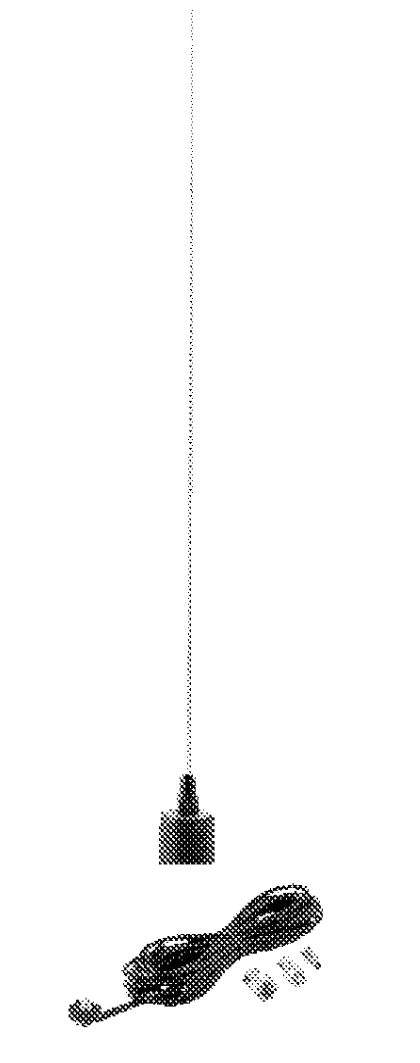
MODEL	FREQUENCY
LM 150 U	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 490 U, 100 tapered, unplated
COAX	Order separately
MAX HEIGHT	51 3/4"

MODEL	FREQUENCY
LM 150 C K	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 490, 100 tapered
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	51 3/4"

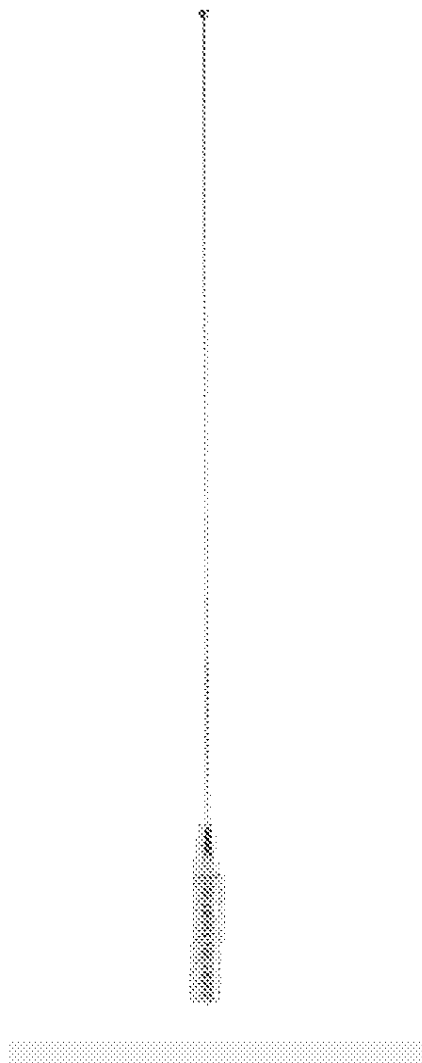
# Mobile VHF 136 - 174 MHz



*Complete LM antenna and mounting kit for 144-174 MHz. Black coil and whip*



*Complete LM antenna and mounting kit for 144-174 MHz. Black coil and unplated stainless steel whip*



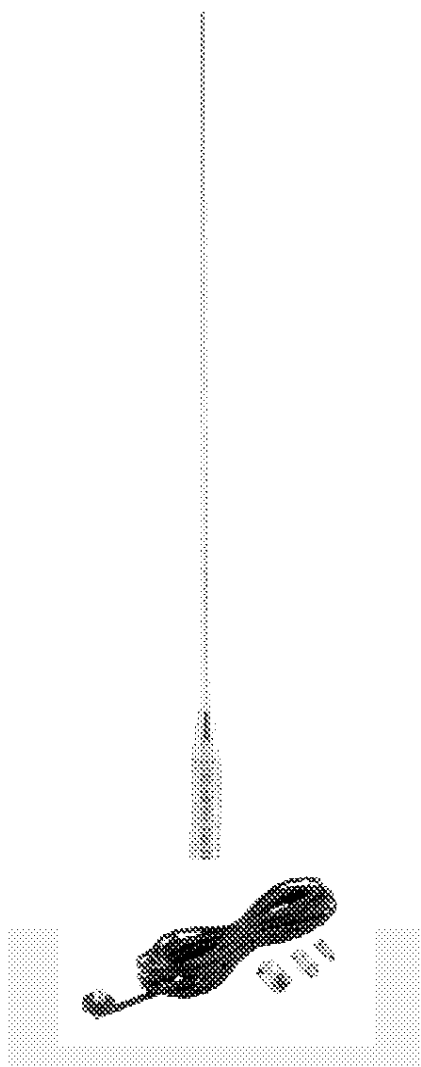
*Wideband VHF 1/4 wave antenna for LM mounts*

MODEL	FREQUENCY
LM 150 B-K	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W 490 B, 100 tapered
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	51 3/4"

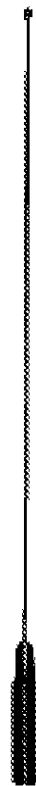
MODEL	FREQUENCY
LM 150 U-K	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black/Chrome
WHIP	W 490 U, 100 tapered, unplated
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	51 3/4"

MODEL	FREQUENCY
LM WBQ	150-170 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Wideband 1/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Chrome
WHIP	W LM WBQ, .125, with spring
COAX	Order separately
MAX HEIGHT	18 1/2"

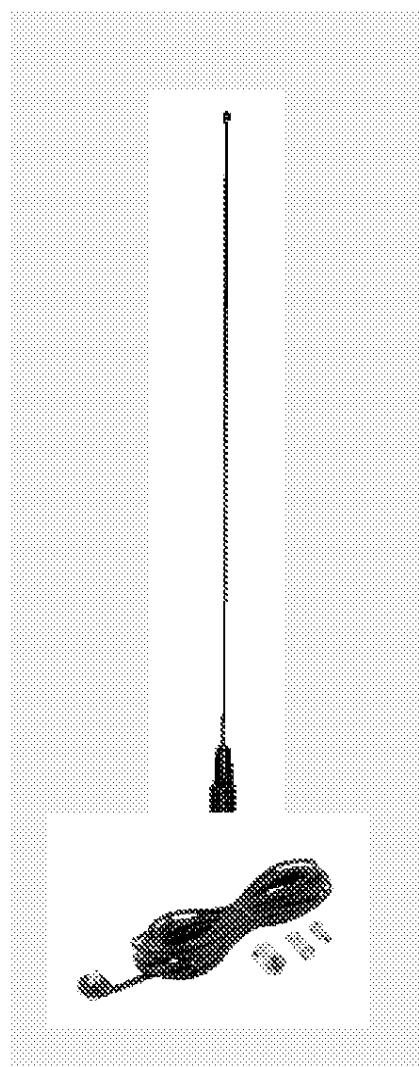
# Mobile VHF 136 - 174 MHz



*Complete wideband VHF 1/4 wave antenna and LM mounting kit*



*Wideband VHF 1/4 wave antenna for LM mounts black spring and whip*



*Complete wideband VHF 1/4 wave antenna and LM mounting kit, black spring and whip*

MODEL	FREQUENCY
LM WBO K	150-170 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Wideband 1/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Chrome
WHIP	W LM WBO, .125, with spring
COAX	17' RG-58 A/U
CONNECTOR	PL 259
MAX HEIGHT	18 1/2"

MODEL	FREQUENCY
LM WBO B	150-170 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Wideband 1/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W LM WBO B, .125, with spring
COAX	Order separately
MAX HEIGHT	18 1/2"

MODEL	FREQUENCY
LM WBO B K	150-170 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Wideband 1/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W LM WBO B, .125, with spring
COAX	17' RG-58 A/U
CONNECTOR	PL 259
MAX HEIGHT	18 1/2"

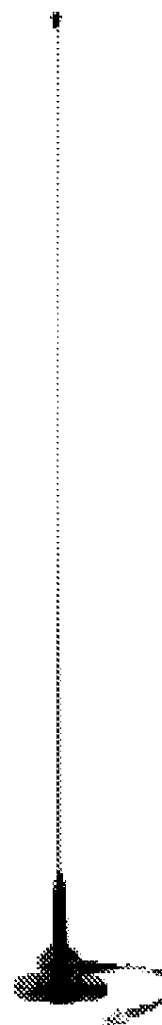
# Mobile VHF 136 - 174 MHz



*Black 1/2 wave coil only for use with PO/SO-239 type mounts, 144-174 MHz*



*Halfwave coil and chrome whip for use with PO/SO-239 type mounts, 144-174 MHz*



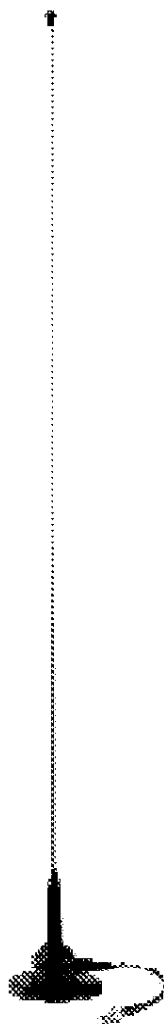
*Complete VHF 1/4 wave mini mag antenna, 144-148 MHz*

MODEL	FREQUENCY
MHW 150 BCO	144-174 MHz
SPECIFICATIONS	
GAIN	2.5dB (with ground plane)
TYPE	1/2 wave coil
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	2 1/2"

MODEL	FREQUENCY
MHW 150 C	144-174 MHz
SPECIFICATIONS	
GAIN	2.5dB (with ground plane)
TYPE	1/2 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black/Chrome
WHIP	W 490, 100 tapered
COAX	Order separately
MAX HEIGHT	51 1/2"

MODEL	FREQUENCY	CONNECTOR
MS U 144 FME	144-148 MHz	FME
MS U 144 BNC	144-148 MHz	BNC
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less	
POWERRATING	50 watts	
COLOR	Black	
WHIP	W MS 144, .070	
COAX	12" RG174	
MAX HEIGHT	21"	

# Mobile VHF 136 - 174 MHz



*Complete VHF 1/4 wave mini mag antenna, 150-160 MHz*



*Black NMO coil only for 144-174 MHz*



*Coil and chrome whip for NMO mounts, 144-174 MHz*

MODEL	FREQUENCY	CONNECTOR
MS U 150 FME	150-160 MHz	FME
MS U 150 BNC	150-160 MHz	BNC
MS U 150 FP	150-160 MHz	FME/PL-259
MS U 150 MPL	150-160 MHz	MPL
MS U 150 SMA	150-160 MHz	SMA
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less	
POWER RATING	50 watts	
COLOR	Black	
WHIP	WMS 150, .070	
COAX	12' RG174	
MAX HEIGHT	20"	

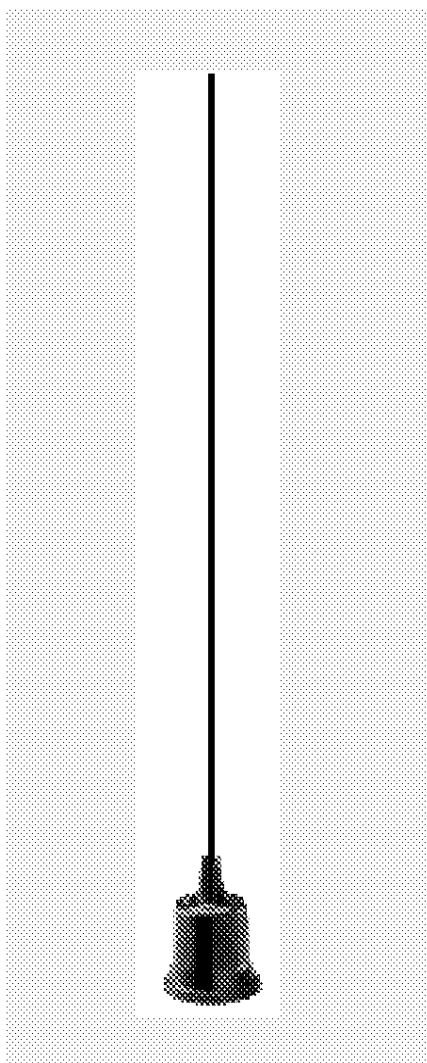
MODEL	FREQUENCY
NMO 150 BCO	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave coil
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	2 1/2"

MODEL	FREQUENCY
NMO 150 C	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 490, .100 tapered
COAX	Order separately
MAX HEIGHT	51 1/2"

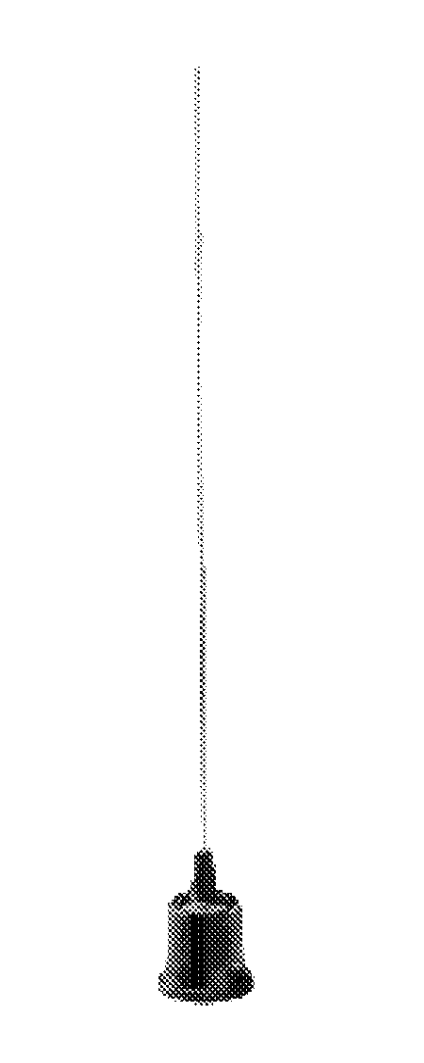
\* For VHF Frequency above 160 MHz contact factory.



# Mobile VHF 136 - 174 MHz



*Coil and black whip for NMO mounts, 144-174 MHz*



*Coil and unplated stainless steel whip for NMO mounts, 144-174 MHz*



*Complete NMO antenna and mounting kit for 144-174 MHz. Black coil, chrome whip*

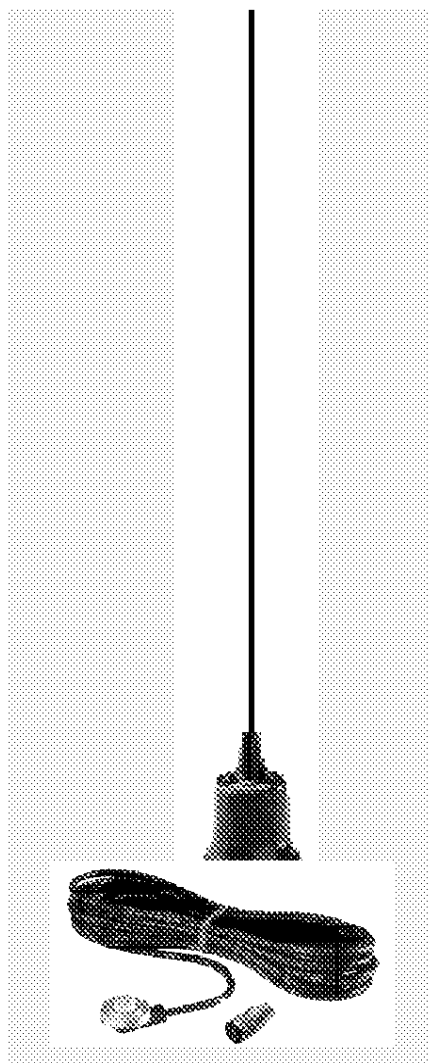
MODEL	FREQUENCY
NMO 150-B	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	W 490-B, 100 tapered
COAX	Order separately
MAX HEIGHT	51 1/2"

MODEL	FREQUENCY
NMO 150-U	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 490-U, 100 tapered, unplated
COAX	Order separately
MAX HEIGHT	51 1/2"

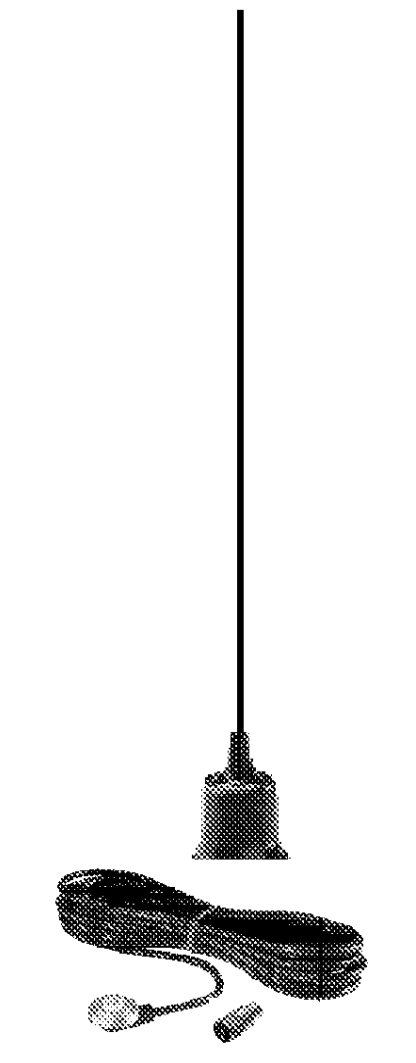
MODEL	FREQUENCY
NMO 150-C/K	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 490, 100 tapered
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	51 1/2"



# Mobile VHF 136 - 174 MHz



Complete NMO antenna and mounting kit for 144-174 MHz. Black coil and whip



New NMO PCT™ antenna, 146-174 MHz, black coil, chrome whip



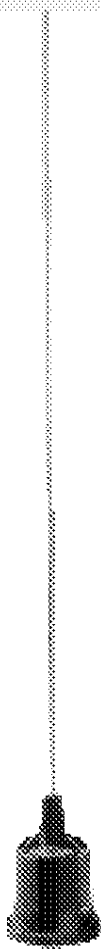
Black NMO 1/2 wave coil only for 144-174 MHz

MODEL	FREQUENCY
NMO 150-BK	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	W 490-B, 100 tapered
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	51 1/2"

MODEL	FREQUENCY
NMO 150-PC	146-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 490-B, 100 tapered
COAX	Order separately
MAX HEIGHT	51"

MODEL	FREQUENCY
NMO 150-HW-BCO	144-174 MHz
SPECIFICATIONS	
GAIN	2.5dB (with ground plane)
TYPE	1/2 wave coil
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	2 1/2"

# Mobile VHF 136 - 174 MHz



Half wave coil and chrome whip for NMO mounts, 144-174 MHz



Half wave coil and black whip for NMO mounts, 144-174 MHz



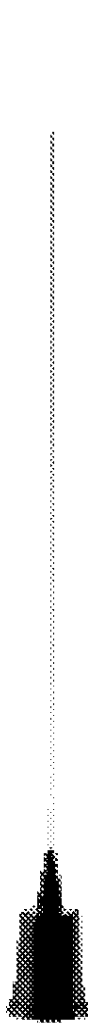
Black wideband coil only for NMO WB 150 antenna, 135-174 MHz

MODEL	FREQUENCY
NMO 150 C HW	144-174 MHz
SPECIFICATIONS	
GAIN	2.5dB (with ground plane)
TYPE	1/2 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 490, 100 tapered
COAX	Order separately
MAX HEIGHT	51 1/2"

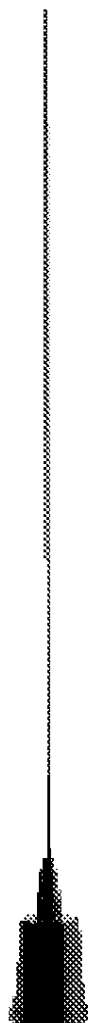
MODEL	FREQUENCY
NMO 150 B HW	144-174 MHz
SPECIFICATIONS	
GAIN	2.5dB (with ground plane)
TYPE	1/2 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	W 490 B, 100 tapered
COAX	Order separately
MAX HEIGHT	51 1/2"

MODEL	FREQUENCY
NMO WB 150 BCO	135-174 MHz
SPECIFICATIONS	
GAIN	2.5dB (with ground plane)
TYPE	Wideband, end fed 1/2 wave
VSWR	2.0:1 or less
POWER RATING	100 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	23/4"

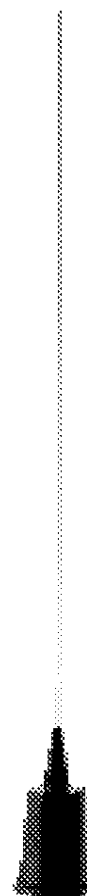
# Mobile VHF 136 - 174 MHz



Wideband VHF coil and chrome whip for NMO mounts, 135-174 MHz



Wideband VHF coil and black whip for NMO mounts, 135-174 MHz



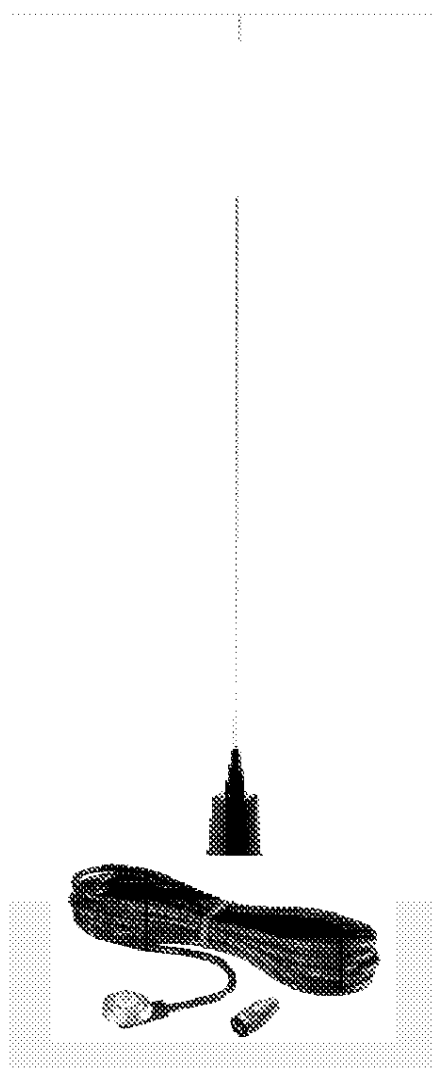
Wideband VHF coil and unplated stainless steel whip for NMO mounts, 135-174 MHz

MODEL	FREQUENCY
NMO WB 150 C	135-174 MHz
SPECIFICATIONS	
GAIN	2.5dB (with ground plane)
TYPE	Wide band, end fed 1/2 wave
VSWR	2.0:1 or less
POWER RATING	100 watts
COLOR	Black/Chrome
WHIP	W 490 .125, .125 tapered
COAX	Order separately
MAX HEIGHT	51 3/4"

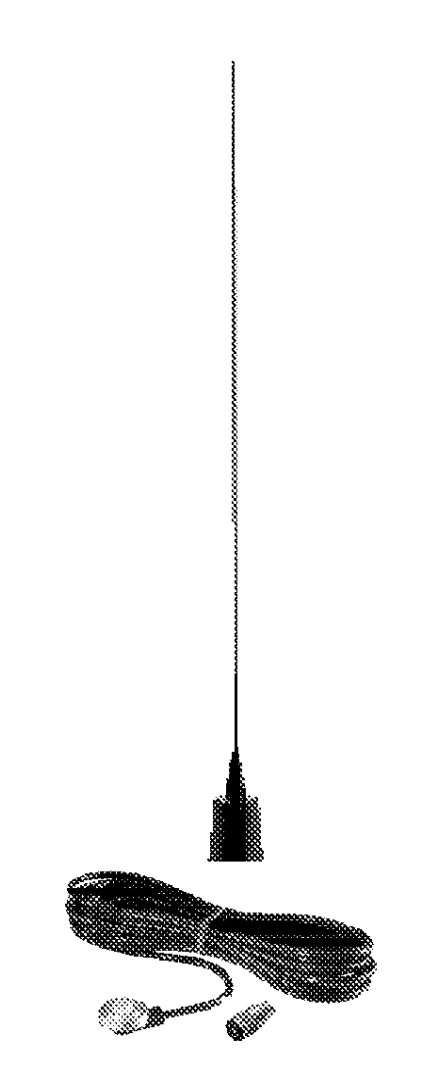
MODEL	FREQUENCY
NMO WB 150 B	135-174 MHz
SPECIFICATIONS	
GAIN	2.5dB (with ground plane)
TYPE	Wide band, end fed 1/2 wave
VSWR	2.0:1 or less
POWER RATING	100 watts
COLOR	Black
WHIP	W 490 .125 B, .125 tapered
COAX	Order separately
MAX HEIGHT	51 3/4"

MODEL	FREQUENCY
NMO WB 150 U	135-174 MHz
SPECIFICATIONS	
GAIN	2.5dB (with ground plane)
TYPE	Wideband, end fed 1/2 wave
VSWR	2.0:1 or less
POWER RATING	100 watts
COLOR	Black/Chrome
WHIP	W 490 U .125, .125 tapered, unplated
COAX	Order separately
MAX HEIGHT	51 3/4"

# Mobile VHF 136 - 174 MHz



*Complete NMO wideband VHF antenna and mounting kit, 135-174 MHz. Black coil, chrome whip*



*Complete NMO wideband VHF antenna and mounting kit, 135-174 MHz. Black coil and whip*



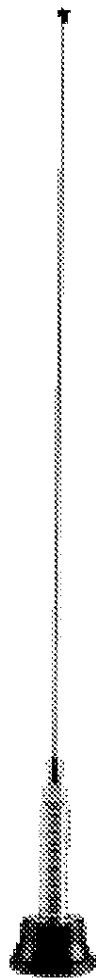
*Complete NMO wideband VHF antenna and mounting kit, 135-174 MHz. Black coil, unplated stainless steel whip*

MODEL	FREQUENCY
NMO WB 150 C K	135-174 MHz
SPECIFICATIONS	
GAIN	2.5dB (with ground plane)
TYPE	Wideband, end fed 1/2 wave
VSWR	2.0:1 or less
POWER RATING	100 watts
COLOR	Black/Chrome
WHIP	W 490 .125, .125 tapered
COAX	17" RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	51 3/4"

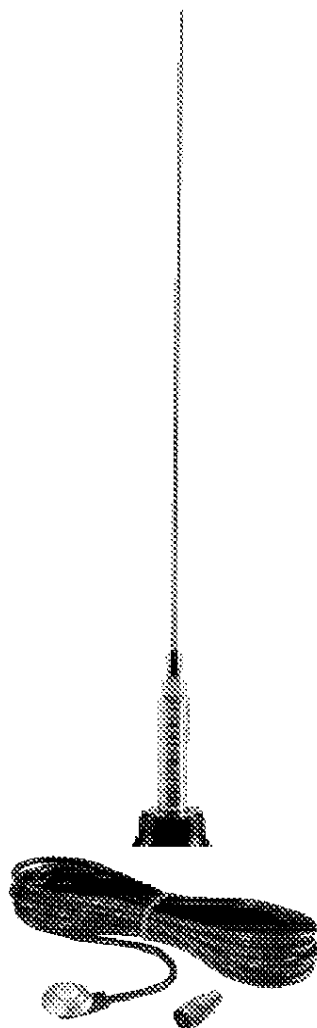
MODEL	FREQUENCY
NMO WB 150 B K	135-174 MHz
SPECIFICATIONS	
GAIN	2.5dB (with ground plane)
TYPE	Wide band, end fed 1/2 wave
VSWR	2.0:1 or less
POWER RATING	100 watts
COLOR	Black
WHIP	W 490 .125 B, .125 tapered
COAX	17" RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	51 3/4"

MODEL	FREQUENCY
NMO WB 150 U K	135-174 MHz
SPECIFICATIONS	
GAIN	2.5dB (with ground plane)
TYPE	Wideband, end fed 1/2 wave
VSWR	2.0:1 or less
POWER RATING	100 watts
COLOR	Black/Chrome
WHIP	W 490 U .125, .125 tapered, unplated
COAX	17" RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	51 3/4"

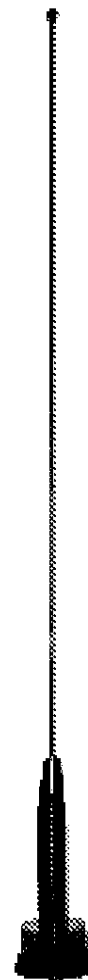
# Mobile VHF 136 - 174 MHz



Wideband VHF 1/4 wave antenna for NMO mounts, 150-170 MHz



Complete NMO wideband VHF 1/4 wave antenna and mounting kit, 150-170 MHz. Black base, chrome whip with spring



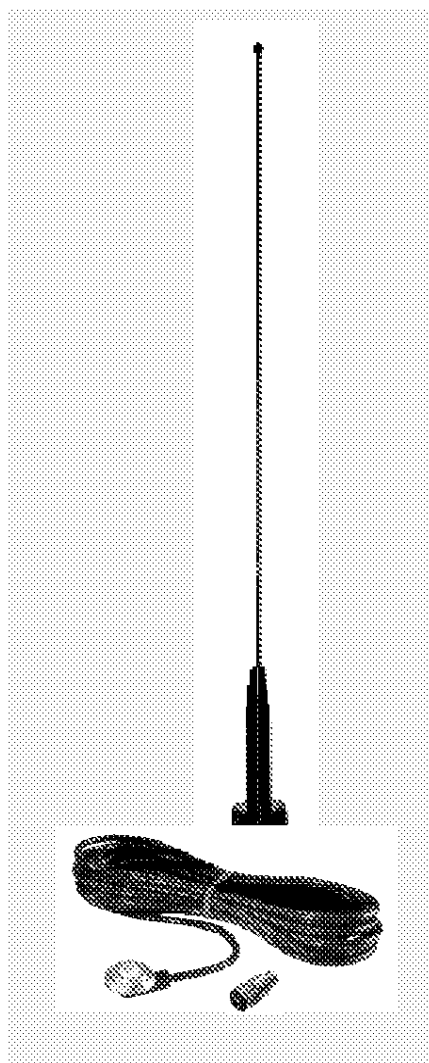
Wideband VHF 1/4 wave antenna for NMO mounts, 150-170 MHz, black base and spring, chrome whip

MODEL	FREQUENCY
NMO WBQ C	150-170 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Wideband 1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W NMO WBQ, .125 with spring
COAX	Order separately
MAX HEIGHT	20"

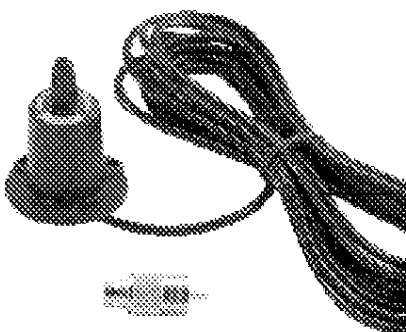
MODEL	FREQUENCY
NMO WBQ C K	150-170 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Wide band 1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W NMO WBQ, .125 with spring
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	20"

MODEL	FREQUENCY
NMO WBQ B	150-170 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Wideband 1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W NMO WBQ B, .125 with spring
COAX	Order separately
MAX HEIGHT	20"

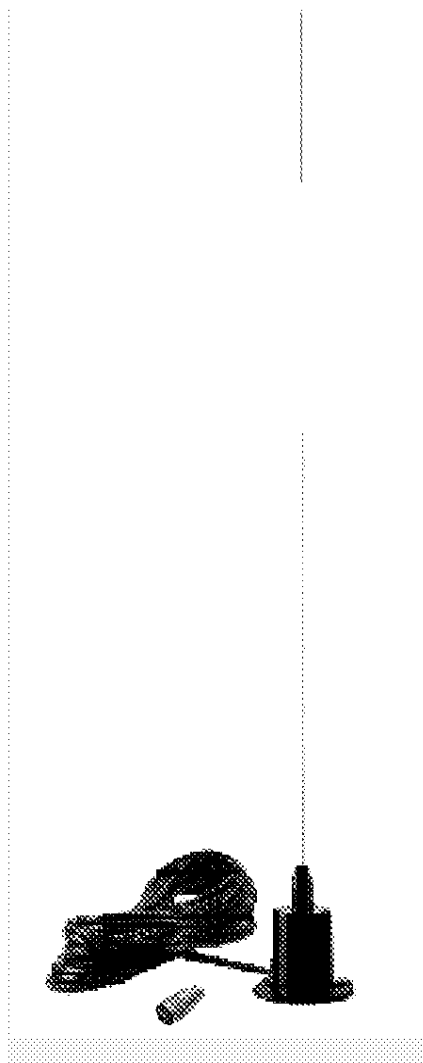
# Mobile VHF 136 - 174 MHz



Complete NMO wideband VHF 1/4 wave antenna and mounting kit, 150-170 MHz. Black base and spring, chrome whip



Self mounting NGP VHF coil with internally attached cable for 144-174 MHz



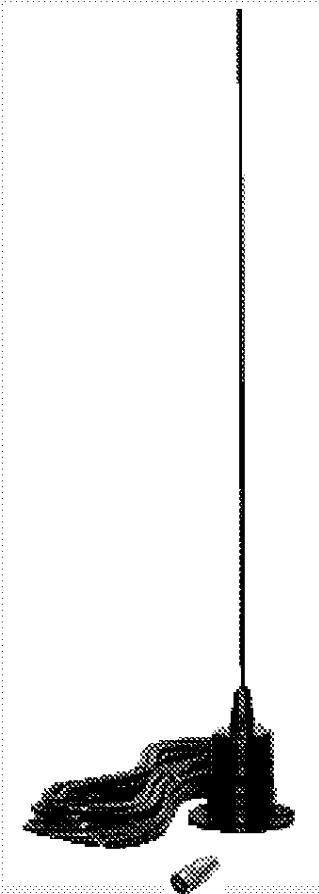
Complete self mounting NGP VHF antenna with internally attached cable for 144-174 MHz. Black coil, chrome whip

MODEL	FREQUENCY
NMO-WBQ-B-K	150-170 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	Wide band 1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W NMO-WBQ-B, .125 with spring
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	20"

MODEL	FREQUENCY
OM-150-BCO	144-174 MHz
SPECIFICATIONS	
GAIN	2.5dB (with ground plane)
TYPE	1/2 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	3"

MODEL	FREQUENCY
OM-150-C-K	144-174 MHz
SPECIFICATIONS	
GAIN	2.5dB (with ground plane)
TYPE	1/2 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W-490, .100 tapered
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	51 3/4"

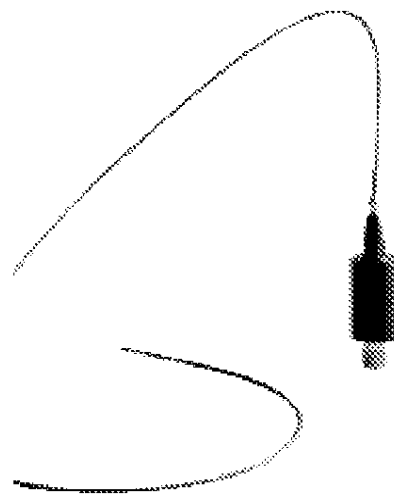
# Mobile VHF 136 - 174 MHz



*Complete self mounting NGP VHF antenna with internally attached cable for 144-174 MHz. Black coil and whip*



*Black 1/2 wave coil for PHW 150 C antenna. SO-239 connection*



*A "portable" mobile antenna with flex cable whip and SO-239 connection for 144-174 MHz. No ground plane required.*

MODEL	FREQUENCY
DM 150 B-K	144-174 MHz
SPECIFICATIONS	
GAIN	2.5dB (with ground plane)
TYPE	1/2 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W-490-B, 100 tapered
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	51 3/4"

MODEL	FREQUENCY
PHW 150 B-CO	144-174 MHz
SPECIFICATIONS	
GAIN	2.4dB (with ground plane)
TYPE	1/2 wave coil
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	2 1/2"

MODEL	FREQUENCY
PHW 150 C	144-174 MHz
SPECIFICATIONS	
GAIN	2.4dB (with ground plane)
TYPE	1/2 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black/Chrome
WHIP	W-PHW, Flex cable
COAX	Order separately
MAX HEIGHT	44 1/2"



# Mobile VHF 136 - 174 MHz



*Black coil only for PO/SO-239 type mounts, 144-174 MHz, DC ground*



*Coil and chrome whip for PO/SO-239 type mounts, 144-174 MHz, DC ground*



*Coil and black whip for PO/SO-239 type mounts, 144-174 MHz, DC ground*

MODEL	FREQUENCY
PO 150 BCO	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave coil
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	2 1/2"

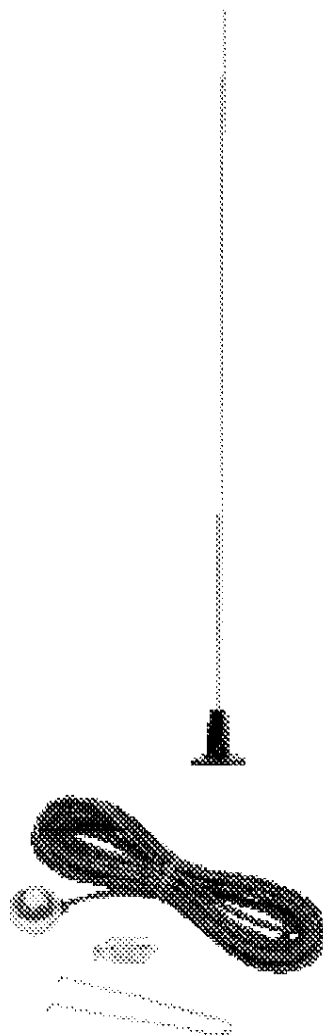
MODEL	FREQUENCY
PO 150 C	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black/Chrome
WHIP	W 490, .100 tapered
COAX	Order separately
MAX HEIGHT	51 1/2"

MODEL	FREQUENCY
PO 150 B	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W 490 B, .100 tapered
COAX	Order separately
MAX HEIGHT	51 1/2"

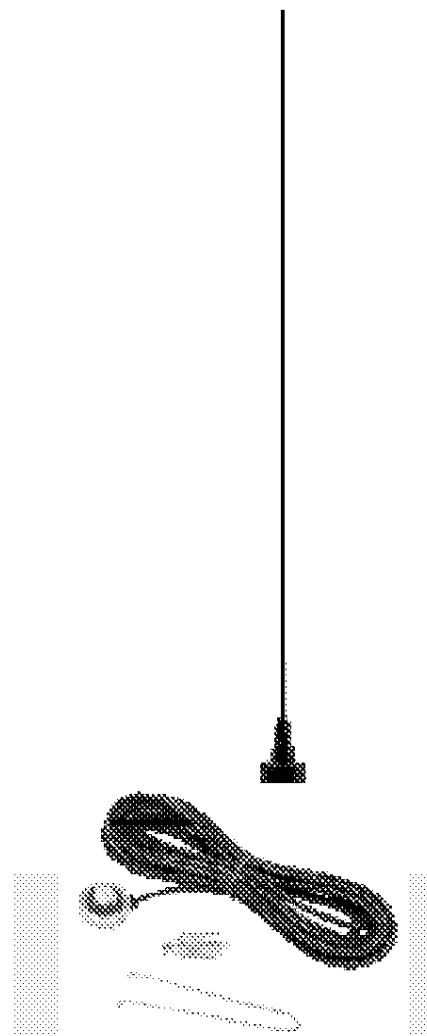
# Mobile VHF 136 - 174 MHz



*Coil and unplated stainless whip for PO/SO-239 type mounts, 144-174 MHz, DC ground*



*Complete PO antenna and mounting kit, 144-174 MHz. Black coil, chrome whip, DC ground*



*Complete PO antenna and mounting kit, 144-174 MHz. Black coil and whip, DC ground*

MODEL	FREQUENCY
PO 150 U	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	W 490 U, .100 tapered unplated
COAX	Order separately
MAX HEIGHT	51 1/2"

MODEL	FREQUENCY
PO 150 C K	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 490, .100 tapered
COAX	17" RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	51 1/2"

MODEL	FREQUENCY
PO 150 B K	144-174 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	W 490 B, .100 tapered
COAX	17" RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	51 1/2"

# Mobile 220 - 225MHz

Appearance, performance, dependable, long term service, those are the key words describing Larsen 220 MHz mobile antennas. Our exclusive Kulrod plating system assures maximum radiation efficiency without the loss of power through rod heating.

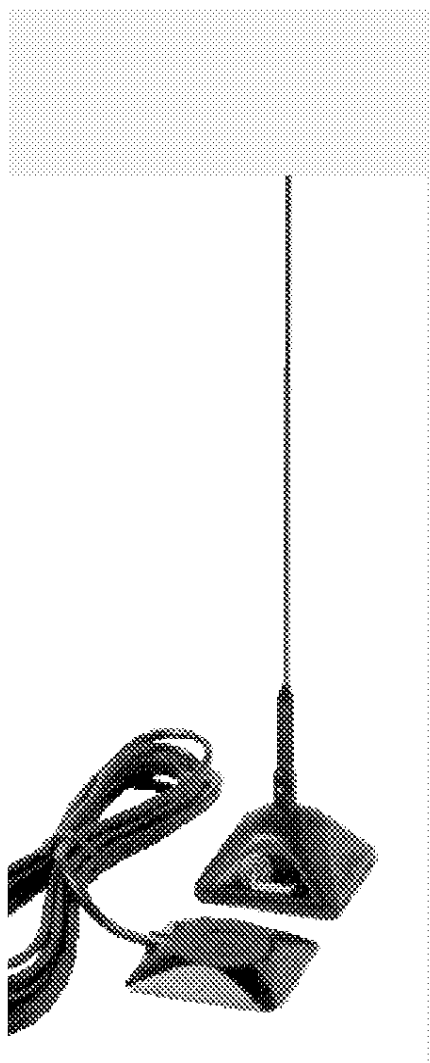
## **LARSEN OFFERS 220 ANTENNAS IN 1/4 WAVE, 1/2 WAVE, AND 5/8 WAVE DESIGNS, AND ARE AVAILABLE IN THE FOLLOWING STYLES:**

KG - Patented low-impedance design in a glass mounted antenna  
LA - 'Dome' style 3/8' snap in mount  
LM - Durable 5/16-24 THDS stud mount for 3/4" hole, low profile, easy to install mount  
MS - Economical, complete mag mount antenna, compact design  
NMO - Premium Motorola style 3/4" hole mount  
OM - Self mounting, no ground plane antenna  
PO - DC ground, SO-239/UHF type mount antenna

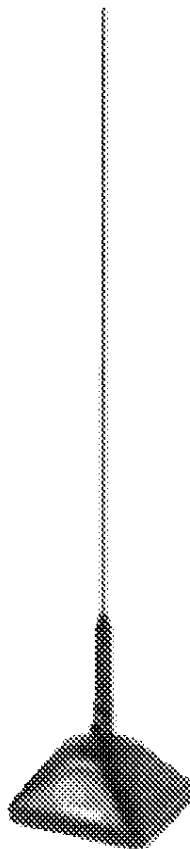
## **COUNT ON LARSEN VHF ANTENNAS TO DELIVER THESE SUPERIOR PERFORMANCE ADVANTAGES:**

- Handles full 200 watts of power (except KG,MS)
- VSWR at 1.5:1 or less
- Heavy-duty base coils are air wound for lowest RF loss
- Tough 17-7 stainless steel Kulrod plated whips for maximum radiation efficiency.
- Available in black or chrome
- Optional shock spring that is internally shorted with highly flexible insulated wire to eliminate distortion
- Durable Makroblend shells are UV and chemical resistant

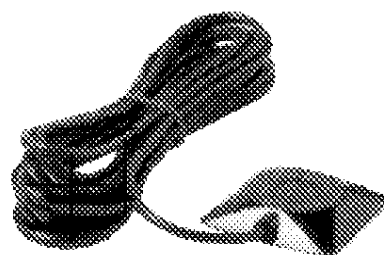
# Mobile 220 - 225MHz



*Complete KG glass mount antenna for 220-225 MHz*



*Outside coupler and whip for KG 220 glass mount antenna, 220-225 MHz*



*Inside coupler with coax for KG 220 antennas*

MODEL	FREQUENCY	CONNECTOR
KG 220 UD	220-225 MHz	No Conn
KG 220 UD FME	220-225 MHz	FME
KG 220 UD PL	220-225 MHz	PL-259
SPECIFICATIONS		
GAIN	2.5dB	
TYPE	1/2 wave	
VSWR	1.5:1 or less	
POWERRATING	100 watts	
COLOR	Black	
WHIP	W KG 220, Ø70	
COAX	14' RG58/U Dual Shield	
MAX HEIGHT	26 1/2"	

MODEL	FREQUENCY
KG 220 O/S	220-225 MHz
SPECIFICATIONS	
GAIN	2.5dB
TYPE	1/2 wave
VSWR	1.5:1 or less
POWERRATING	100 watts
COLOR	Black
WHIP	W KG 220, Ø70
COAX	Order separately
MAX HEIGHT	26 1/2"

MODEL	FREQUENCY
KG 220 UD 1/S	220-225 MHz
SPECIFICATIONS	
POWERRATING	100 watts
COLOR	Black
COAX	14' RG58/U Dual Shield
CONNECTOR	Order separately

# Mobile 220 - 225MHz



*Black LA coil only for 220-225 MHz*



*Coil and chrome whip for LA mounts ,  
220-225 MHz*



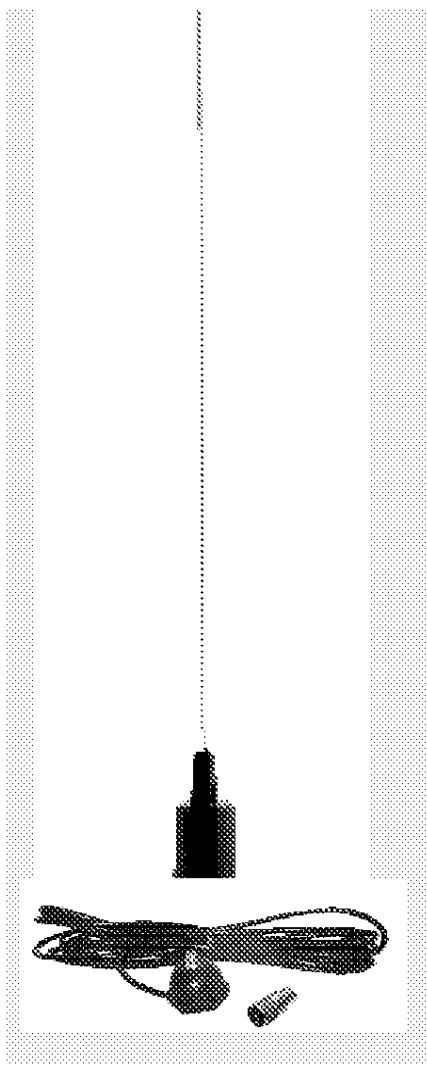
*Coil and black whip for LA mounts,  
220-225 MHz*

MODEL	FREQUENCY
LA 220 BCO	220-225 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave coil
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	21 1/2"

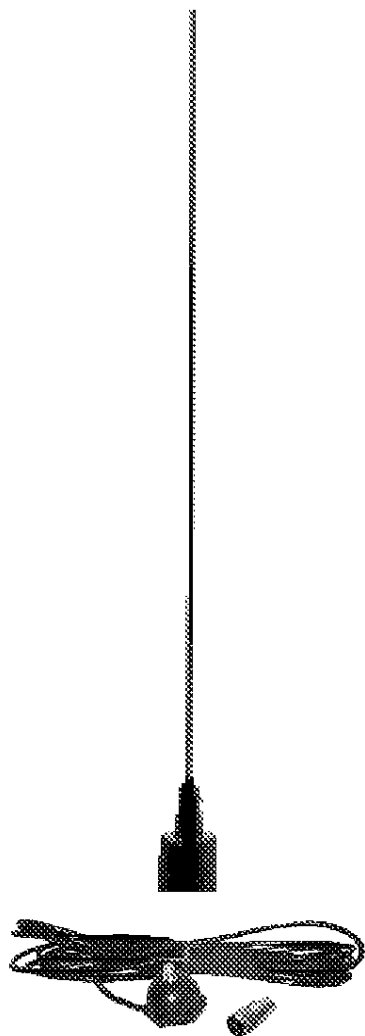
MODEL	FREQUENCY
LA 220 C	220-225 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 400, 100
COAX	Order separately
MAX HEIGHT	35 1/2"

MODEL	FREQUENCY
LA 220 B	220-225 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	W 400 B, 100
COAX	Order separately
MAX HEIGHT	35 1/2"

# Mobile 220 - 225MHz



Complete LA antenna and mounting kit for 220-225 MHz. Black coil, chrome whip



Complete LA antenna and mounting kit for 144-174 MHz. Black coil and whip



Black LM coil only for 220-225 MHz

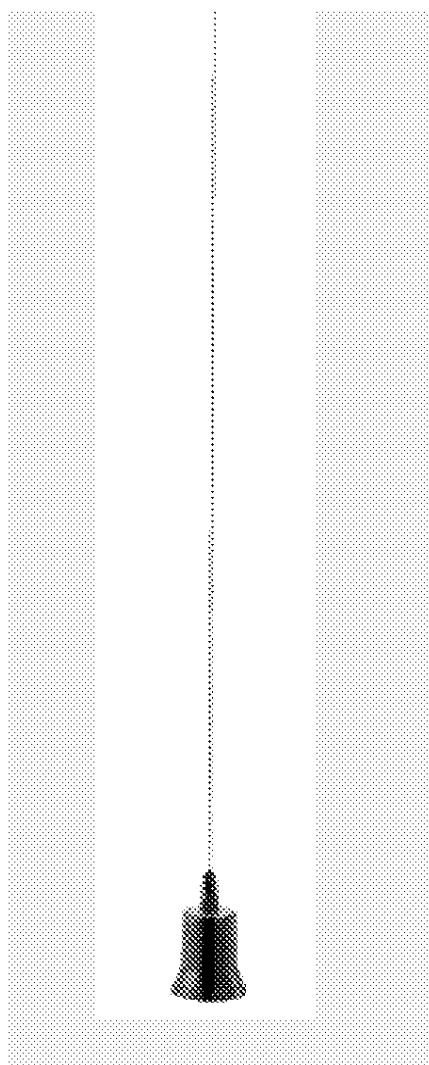
MODEL	FREQUENCY
LA 220 C-K	220-225 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 400, .100
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	36 1/2"

DESCRIPTION	FREQUENCY
LA 220 B-K	220-225 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	W 400 B, .100
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	36 1/2"

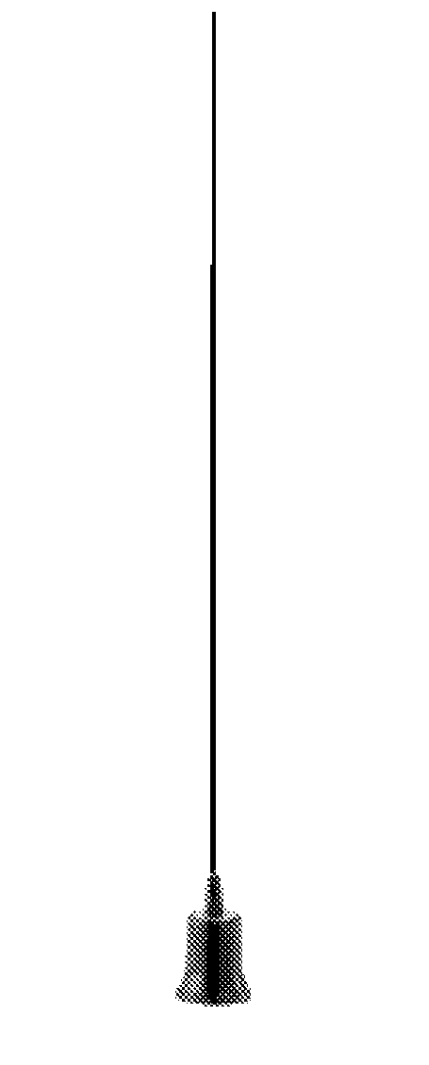
MODEL	FREQUENCY
LM 220 BCO	220-225 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave coil
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	2 3/4"



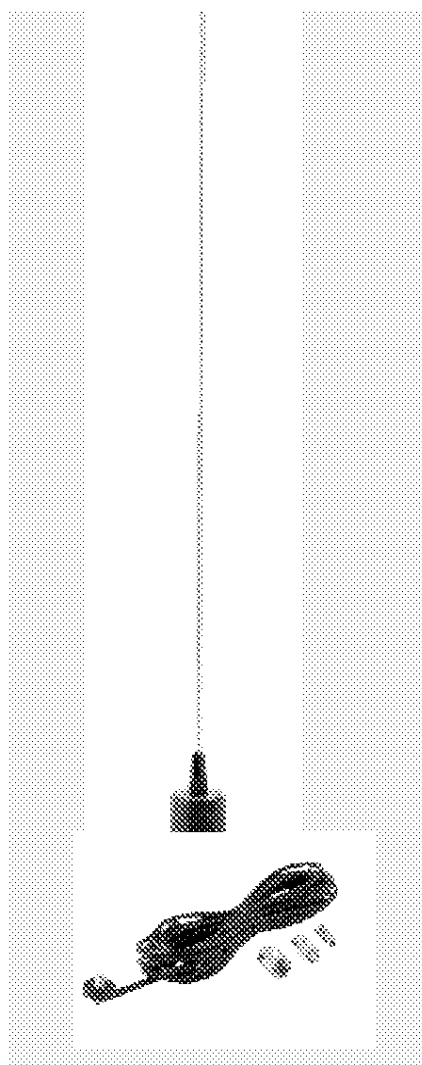
# Mobile 220 - 225MHz



*Coil and chrome whip for LM mounts,  
220-225 MHz*



*Coil and black whip for LM mounts,  
220-225 MHz*



*Complete LM antenna and mounting kit for  
220-225 MHz. Black coil, chrome whip*

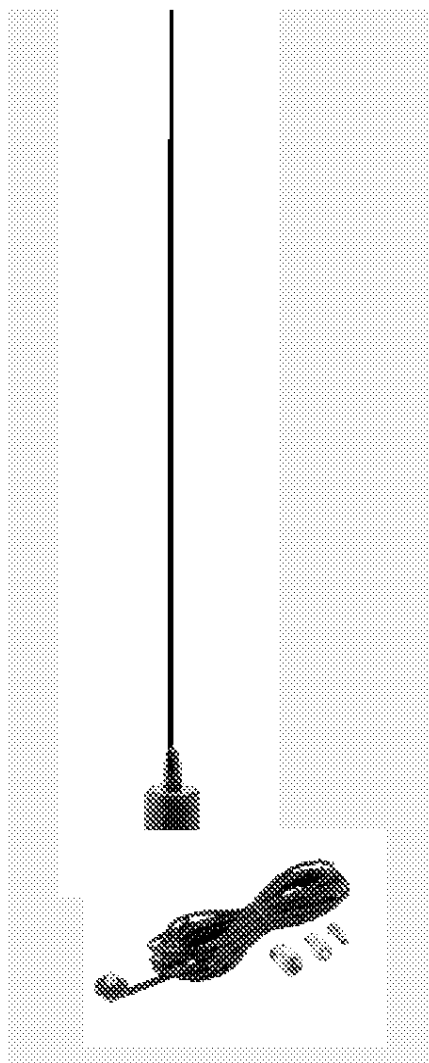
MODEL	FREQUENCY
LM 220 C	220-225 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black/Chrome
WHIP	W 400, .100
COAX	Order separately
MAX HEIGHT	35 3/4"

MODEL	FREQUENCY
LM 220 B	220-225 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W 400 B, .100
COAX	Order separately
MAX HEIGHT	35 3/4"

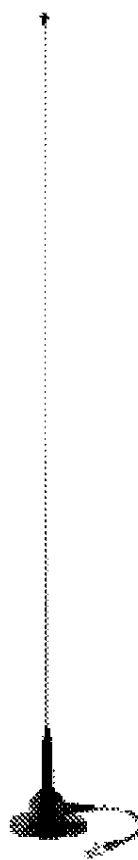
MODEL	FREQUENCY
LM 220 C K	220-225 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black/Chrome
WHIP	W 400, .100
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	35 3/4"



# Mobile 220 - 225MHz



Complete LM antenna and mounting kit for 220-225 MHz. Black coil and whip



Complete VHF 1/4 wave mini mag antenna, 220-225 MHz



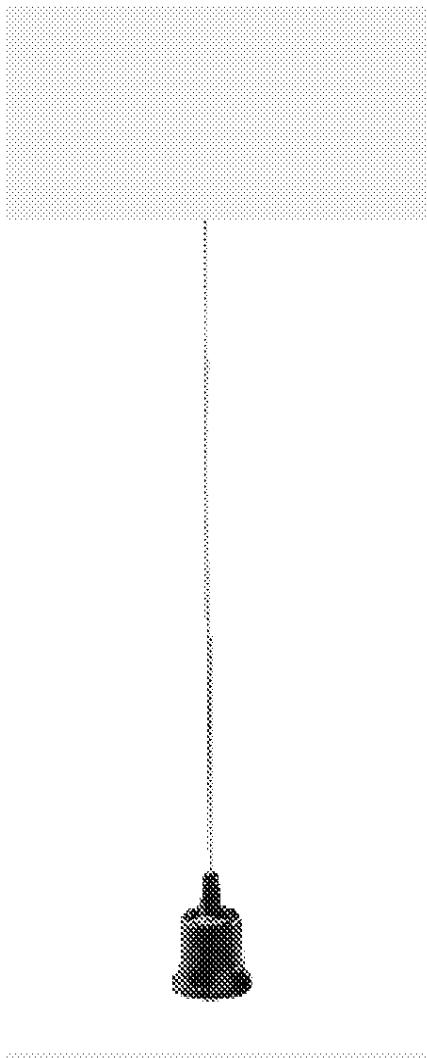
Black NMO coil only for 220-225 MHz

MODEL	FREQUENCY
LM 220 B K	220-225 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W 400 B, .100
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	35 3/4"

MODEL	FREQUENCY	CONNECTOR
MS U 220 FME	220-225 MHz	FME
MS U 220 SMA	220-225 MHz	SMA
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less	
POWERRATING	50 watts	
COLOR	Black	
WHIP	W MS 220, .070	
COAX	12' RG174	
MAX HEIGHT	13 1/2"	

MODEL	FREQUENCY
NMO 220 BCO	220-225 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave coil
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	2 1/2"

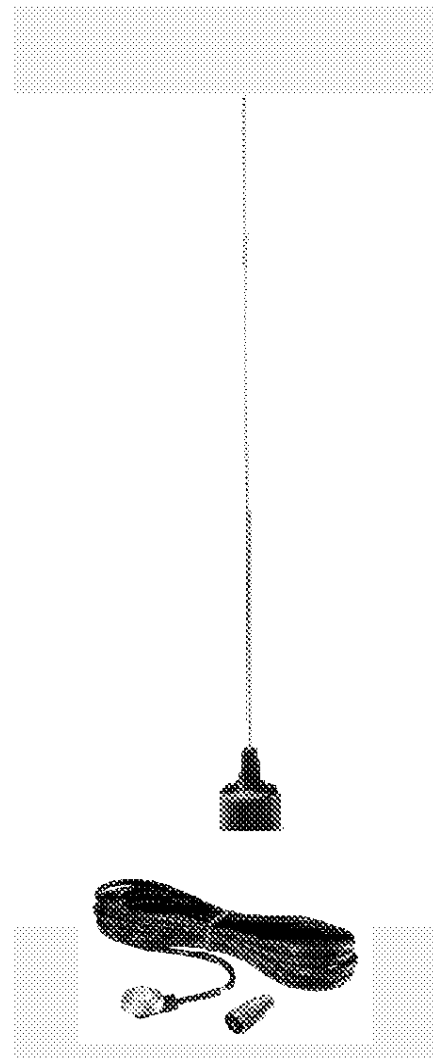
# Mobile 220 - 225MHz



*Coil and chrome whip for NMO mounts, 220-225 MHz*



*Coil and black whip for NMO mounts, 220-225 MHz*



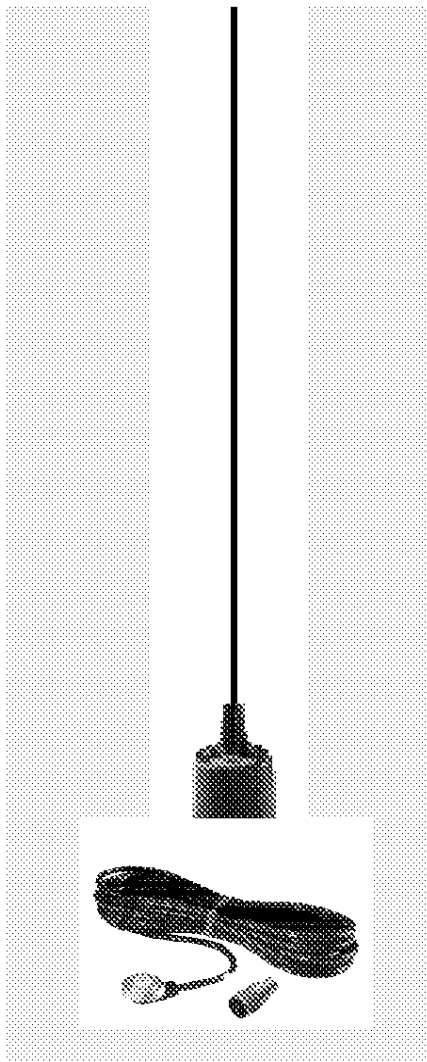
*Complete NMO antenna and mounting kit for 220-225 MHz. Black coil, chrome whip*

MODEL	FREQUENCY
NMO 220 C	220-225 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black/Chrome
WHIP	W 400, .100
COAX	Order separately
MAX HEIGHT	35 1/2"

MODEL	FREQUENCY
NMO 220 B	220-225 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W 400 B, .100
COAX	Order separately
MAX HEIGHT	35 1/2"

MODEL	FREQUENCY
NMO 220 C K	220-225 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black/Chrome
WHIP	W 400, .100
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	35 1/2"

# Mobile 220 - 225MHz



*Complete NMO antenna and mounting kit for 220-225 MHz. Black coil and whip*



*Black 1/2 wave coil only for NMO mounts, 220-225 MHz*



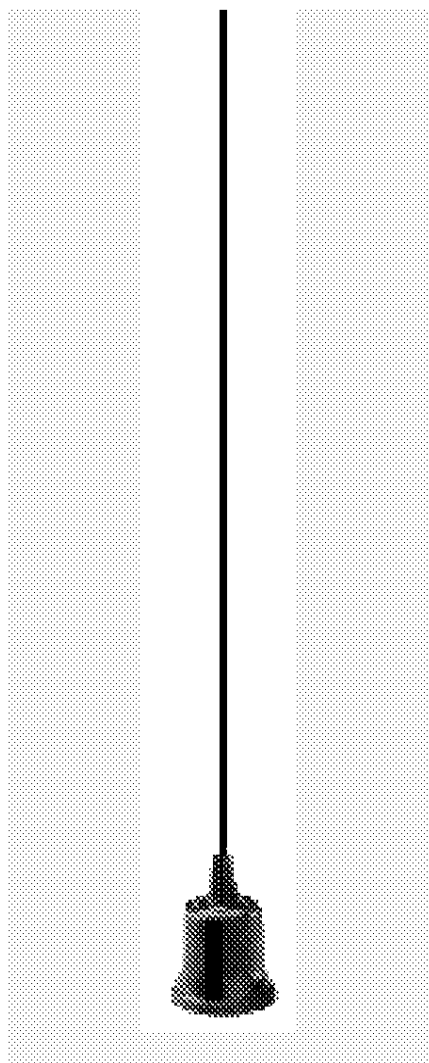
*Half wave coil and chrome whip for NMO mounts, 220-225 MHz*

MODEL	FREQUENCY
NMO 220 B K	220-225 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W 400 B, .100
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	35 1/2"

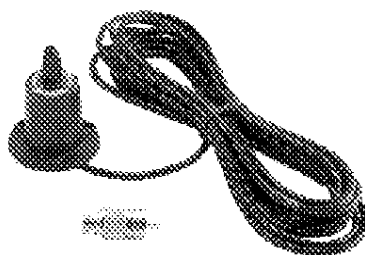
MODEL	FREQUENCY
NMO 220 HW BCO	220-225 MHz
SPECIFICATIONS	
GAIN	3dB (with ground plane)
TYPE	1/2 wave coil
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	35 1/2"

MODEL	FREQUENCY
NMO 220 C HW	220-225 MHz
SPECIFICATIONS	
GAIN	3dB (with ground plane)
TYPE	1/2 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black/Chrome
WHIP	W 400, .100
COAX	Order separately
MAX HEIGHT	35 1/2"

# Mobile 220 - 225MHz



*Half wave coil and black whip for NMO mounts, 220- 225 MHz*



*Self mounting NGP coil with internally attached cable for 220-225 MHz*



*Complete self mounting NGP antenna with internally attached cable for 220-225 MHz. Black coil, chrome whip*

MODEL	FREQUENCY
NMO 220 B HW	220-225 MHz
SPECIFICATIONS	
GAIN	3dB (with ground plane)
TYPE	1/2 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	W 400 B, .100
COAX	Order separately
MAX HEIGHT	35 1/2"

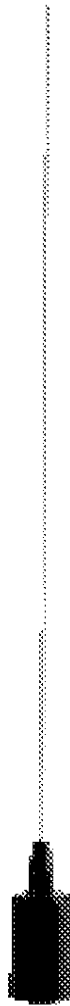
MODEL	FREQUENCY
OM 220 BCO	220-225 MHz
SPECIFICATIONS	
GAIN	3dB (with ground plane)
TYPE	1/2 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	3"

MODEL	FREQUENCY
OM 220 C K	220-225 MHz
SPECIFICATIONS	
GAIN	3dB (with ground plane)
TYPE	1/2 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 400, .100
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	35 1/2"

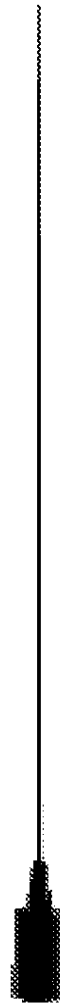
# Mobile 220 - 225MHz



*Black coil only for PO/SO-239 type mounts, 220-225 MHz, DC ground*



*Coil and chrome whip for PO/SO-239 type mounts, 220-225 MHz, DC ground*



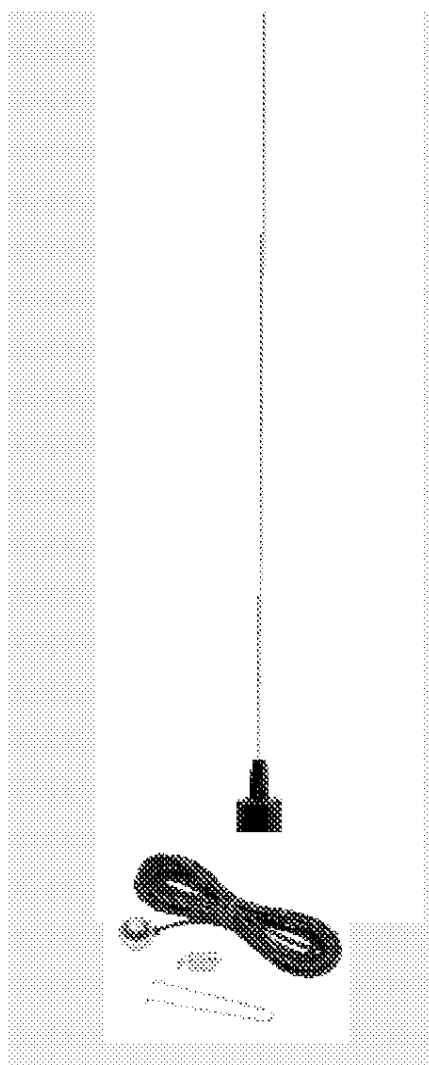
*Coil and black whip for PO/SO-239 type mounts, 220-225 MHz, DC ground*

MODEL	FREQUENCY
PO 220 BCO	220-225 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave coil
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	2 1/2"

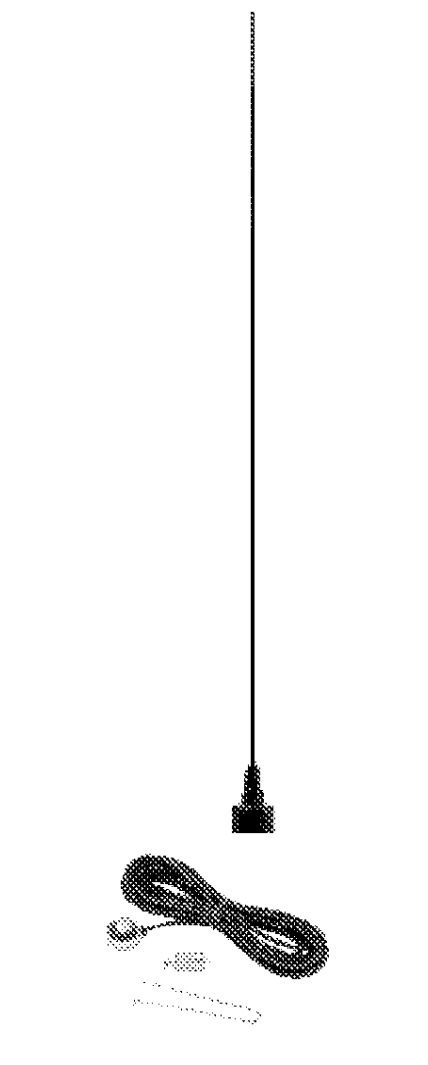
MODEL	FREQUENCY
PO 220 C	220-225 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black/Chrome
WHIP	W 400, .100
COAX	Order separately
MAX HEIGHT	35 1/4"

MODEL	FREQUENCY
PO 220 B	220-225 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W 400 B, .100
COAX	Order separately
MAX HEIGHT	35 1/4"

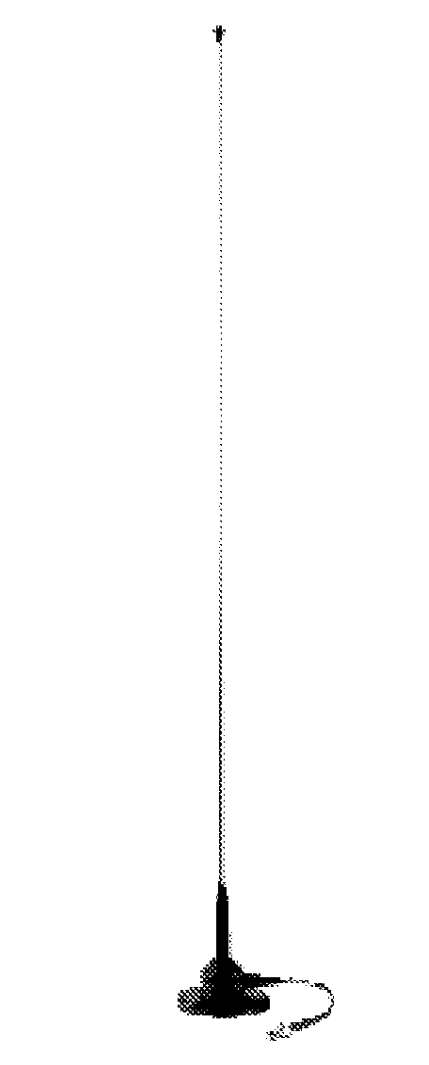
# Mobile 220 - 225MHz



Complete PO antenna and mounting kit, 220-225 MHz. Black coil, chrome whip



Complete PO antenna and mounting kit, 220-225 MHz. Black coil and whip



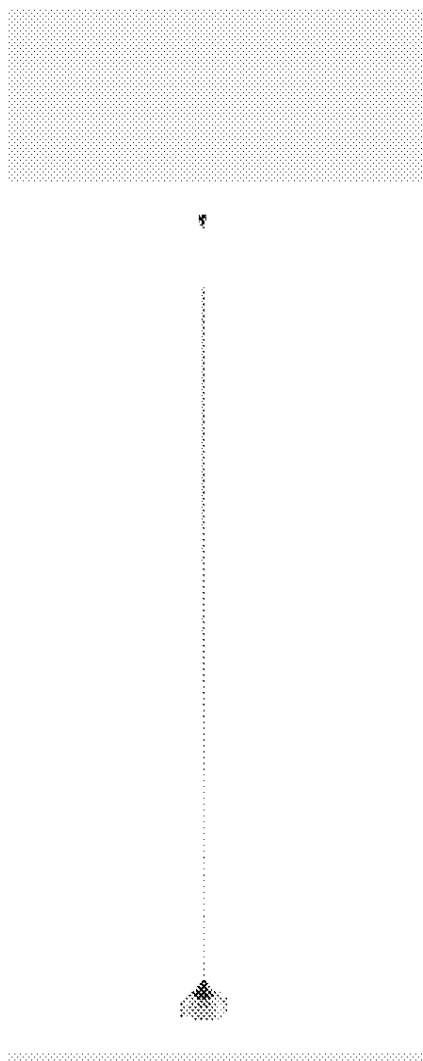
Complete 1/4 wave mini mag antenna, field tunable

MODEL	FREQUENCY
PO 220 C K	220-225 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black/Chrome
WHIP	W 400 B, .100
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	35 1/4"

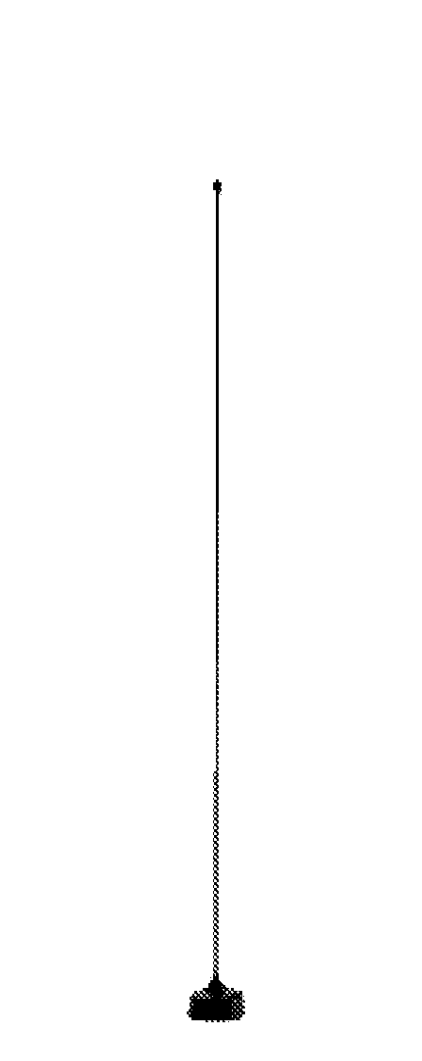
MODEL	FREQUENCY
PO 220 B K	220-225 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W 400 B, .100
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	35 1/4"

MODEL	FREQUENCY
MS T FME	144-965 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	1/4 wave
VSWR	1.5:1 or less
POWERRATING	50 watts
COLOR	Black
WHIP	W MS T, .070
COAX	12' RG174
CONNECTOR	FME CRIMP
MAX HEIGHT	21"

# Tunable 1/4 Wave 136-512 MHz



*Chrome 1/4 wave antenna for NMO mounts, 136-512 MHz*



*Black 1/4 wave antenna for NMO mounts, 136-512 MHz*



*Complete chrome 1/4 wave antenna and NMO mounting kit, 136-512 MHz*

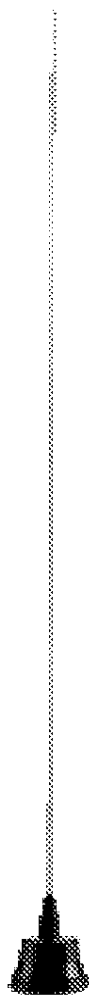
MODEL	FREQUENCY
NMOQ SPEC	136-512 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	1/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Chrome
WHIP	W 200, .100
COAX	Order separately
MAX HEIGHT	22"

MODEL	FREQUENCY
NMOQ SPEC B	136-512 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	1/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W 200 B, .100
COAX	Order separately
MAX HEIGHT	22"

MODEL	FREQUENCY
NMOQ SPEC K	136-512 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	1/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Chrome
WHIP	W 200, .100
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	22"



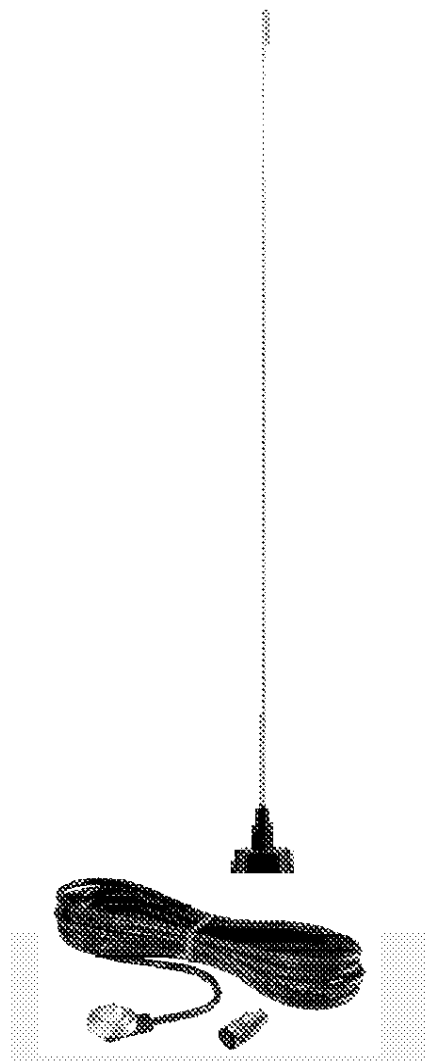
# Tunable 1/4 Wave 136-512 MHz



*Base and chrome 1/4 wave whip for NMO mounts, 136-512 MHz*



*Base and black 1/4 wave whip for NMO mounts, 136-512 MHz*



*Complete NMO 1/4 wave antenna with mounting kit, 136-512 MHz*

MODEL	FREQUENCY
NMO C	136-512 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 200, .100
COAX	Order separately
MAX HEIGHT	23"

MODEL	FREQUENCY
NMO B	136-512 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	W 200 B, .100
COAX	Order separately
MAX HEIGHT	23"

MODEL	FREQUENCY
NMO C K	136-512 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 200, .100
COAX	17" RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	23"

# Tunable 1/4 Wave 136-512 MHz



*Quarterwave whip antenna for use with PO/SO-239 type mounts, 136-512 MHz*



*Chrome "Q" base 1/4 wave antenna for L/Mor LA style mounts*



*Black "Q" base 1/4 wave antenna for L/Mor LA style mounts*

MODEL	FREQUENCY
PQ	136-512 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	1/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Chrome
WHIP	W 200, .100
COAX	Order separately
MAX HEIGHT	22"

MODEL	FREQUENCY
Q	136-512 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	1/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Chrome
WHIP	W 200, .100
COAX	Order separately
MAX HEIGHT	22"

MODEL	FREQUENCY
QB	136-512 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	1/4 wave
VSWR	1.5:1 or less
POWERRATING	200 watts
COLOR	Black
WHIP	W 200B, .100
COAX	Order separately
MAX HEIGHT	22"

# Mobile UHF 406 - 512 MHz

Larsen UHF mobile gain antennas use a collinear design that aims the signal at the horizon for maximum effectiveness and an effective power gain.

Electrical types include 1/4 wave, 1/2 wave, 5/8 wave, 5/8 over 1/4 wave collinear, 5/8 over 1/2 wave collinear, and 5/8 over 5/8 wave collinear.

## LARSEN UHF MOBILES ARE AVAILABLE IN THE FOLLOWING STYLES:

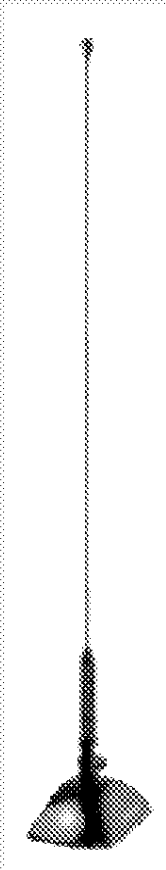
KG - Patented low-impedance design in a glass mounted antenna  
LA - "Dome" style 3/8" snap in mount  
LM - Durable 5/16-24 THDS stud mount for 3/4" hole, low profile, easy to install mount  
MHW - Half wave, no ground plane antenna for SO 239 type mounts  
MM/MS - Economical, complete mag mount antennas, compact design  
NMO - Premium Motorola style 3/4" hole mount  
OM - Self mounting, no ground plane antenna  
PO - DC ground, SO-239/UHF type mount antenna

## COUNT ON LARSEN UHF ANTENNAS TO DELIVER THESE SUPERIOR PERFORMANCE ADVANTAGES:

- Handles full 200 watts of power (except KG, MS)
- VSWR at 1.5:1 or less
- Exclusive 17-7 stainless steel Kulrod plated whips for maximum radiation efficiency. Available in black or chrome
- Waterproof phasing coil is engineered to minimize wind drag and antenna rod distortion at high speeds.
- Optional shock spring that is internally shorted with highly flexible insulated wire to eliminate distortion
- Durable Makroblend shells are UV and chemical resistant

\*Tunable 1/4 wave antennas listed on pages 67-70

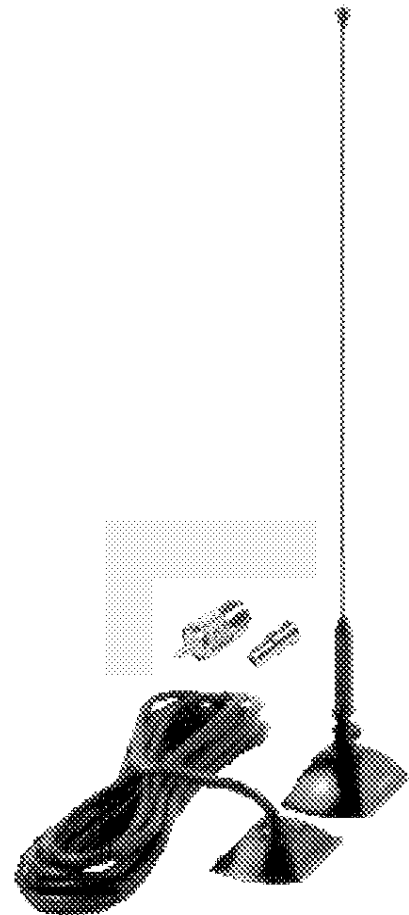
# Mobile UHF 406 - 512 MHz



*KG UHF glass mount antenna outside coupler and whip*



*Complete KG UHF glass mount antenna with coax*



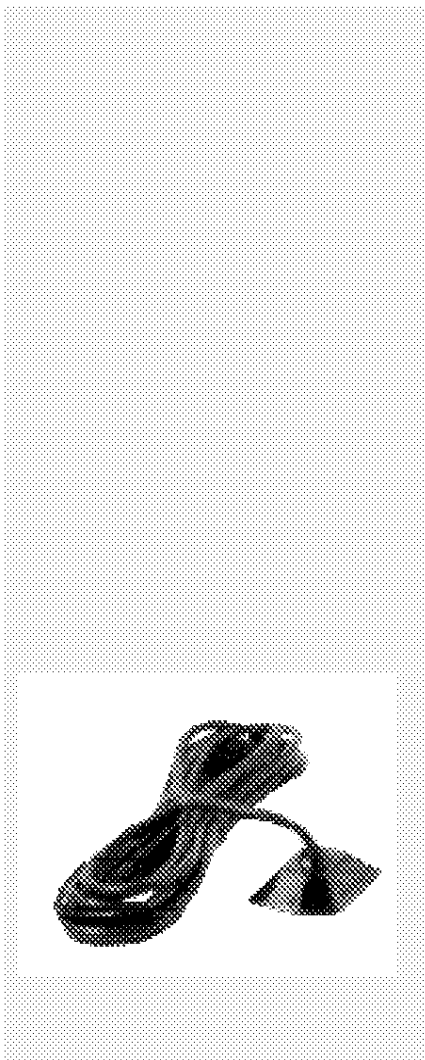
*Complete KG UHF glass mount antenna with coax and connector*

MODEL	FREQUENCY	WHIP
KG 406 O/S	406-420 MHz	W KG 406
KG 420 O/S	420-440 MHz	W KG 420
KG 440 O/S	440-460 MHz	W KG 440
KG 450 O/S	450-470 MHz	W KG 450
KG 470 O/S	470-490 MHz	W KG 470
KG 490 O/S	490-512 MHz	W KG 490
SPECIFICATIONS		
GAIN	2.5dB	
TYPE	1/2 wave	
VSWR	1.5:1 or less	
POWER RATING	100 watts	
COLOR	Black	
WHIP	0.070	
COAX	Order separately	
MAX HEIGHT	15"	

MODEL	FREQUENCY	WHIP
KG 406 UD	406-420 MHz	W KG 406
KG 420 UD	420-440 MHz	W KG 420
KG 440 UD	440-460 MHz	W KG 440
KG 450 UD	450-470 MHz	W KG 450
KG 470 UD	470-490 MHz	W KG 470
KG 490 UD	490-512 MHz	W KG 490
SPECIFICATIONS		
GAIN	2.5dB	
TYPE	1/2 wave	
VSWR	1.5:1 or less	
POWER RATING	100 watts	
COLOR	Black	
WHIP	0.070	
COAX	14 RG-58/U Dual Shield	
CONNECTOR	Order separately	
MAX HEIGHT	15"	

MODEL	FREQUENCY	WHIP
KG 406 UD PL	406-420 MHz	W KG 406
KG 420 UD PL	420-440 MHz	W KG 420
KG 440 UD PL	440-460 MHz	W KG 440
KG 450 UD PL	450-470 MHz	W KG 450
KG 470 UD PL	470-490 MHz	W KG 470
KG 490 UD PL	490-512 MHz	W KG 490
SPECIFICATIONS		
GAIN	2.5dB	
TYPE	1/2 wave	
VSWR	1.5:1 or less	
POWER RATING	100 watts	
COLOR	Black	
WHIP	0.070	
COAX	14 RG-58/U Dual Shield	
CONNECTOR	PL259T	
MAX HEIGHT	15"	

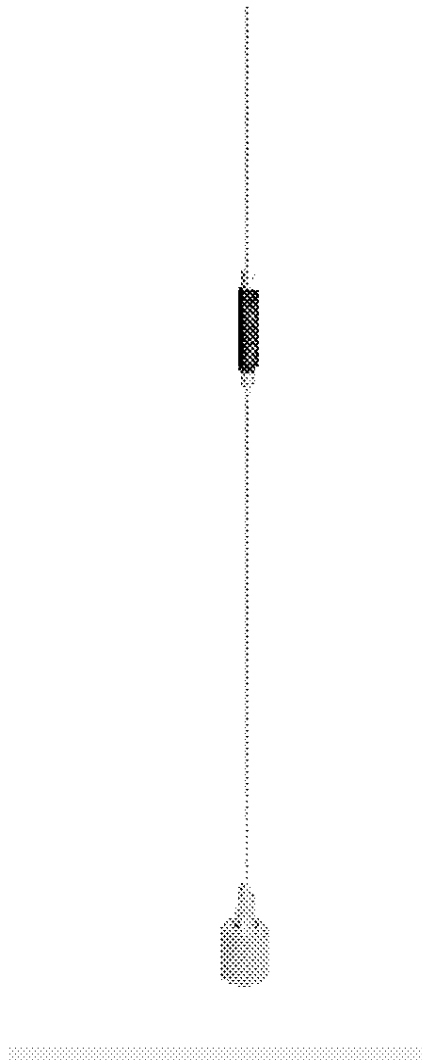
# Mobile UHF 406 - 512 MHz



*Inside coupler with coax for KG UHF glass mount antenna*



*Gray base only for LA UHF antennas*



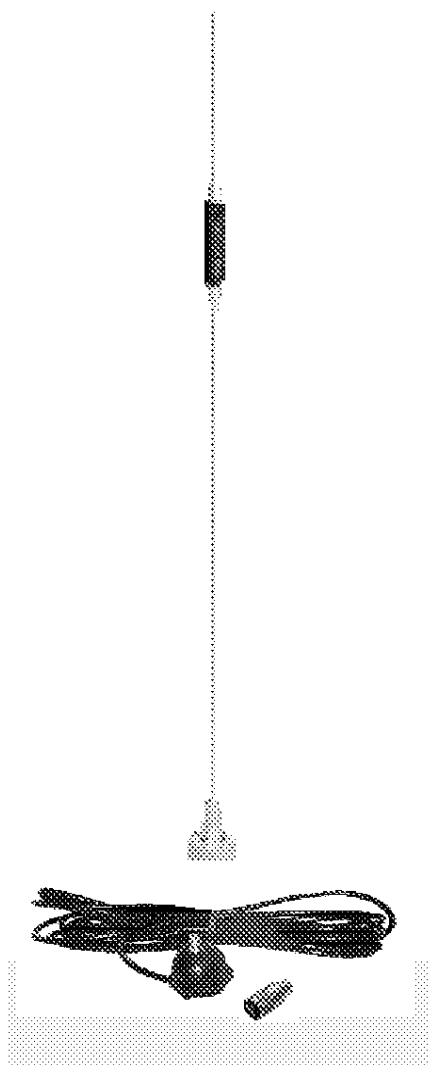
*Base and chrome collinear whip for LA mounts, 406-512 MHz*

MODEL	FREQUENCY
KG UHF UD 1/S	406-512 MHz
SPECIFICATIONS	
TYPE	Inside coupler
POWER RATING	100 watts
COLOR	Black
COAX	14 RG-58/U Dual Shield
CONNECTOR	Order separately

MODEL	FREQUENCY
LA UHF BASE	406-512 MHz
SPECIFICATIONS	
TYPE	Base only
POWER RATING	200 watts
COLOR	Gray
WHIP	Various UHF collinear whips
COAX	Order separately
MAX HEIGHT	11 1/2"

MODEL	FREQUENCY	WHIP
LA 406 C	406-420 MHz	W 152
LA 420 C	420-440 MHz	W 153
LA 440 C	440-460 MHz	W 154
LA 450 C	450-470 MHz	W 155
LA 470 C	470-490 MHz	W 156
LA 490 C	490-512 MHz	W 157
SPECIFICATIONS		
GAIN	4.5dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
POWER RATING	200 watts	
COLOR	Gray/Chrome	
WHIP	.100, enc coil	
COAX	Order separately	
MAX HEIGHT	33"	

# Mobile UHF 406 - 512 MHz



*Complete LA UHF antenna and mounting kit, 406-512 MHz. Gray base, chrome whip*



*Black base only for LM mounts, 406-512 MHz*



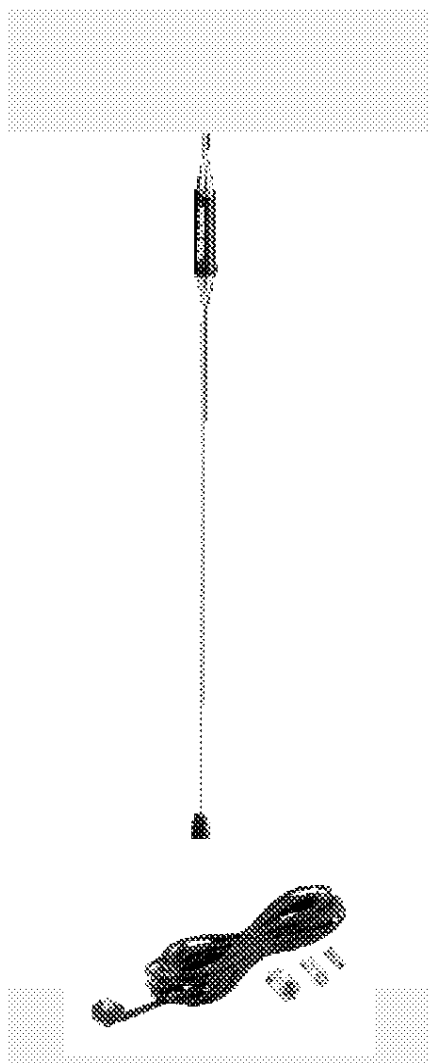
*Base and chrome collinear whip for LM mounts, 406-512 MHz*

MODEL	FREQUENCY	WHIP
LA 406 C K	406-420 MHz	W 152
LA 420 C K	420-440 MHz	W 153
LA 440 C K	440-460 MHz	W 154
LA 450 C K	450-470 MHz	W 155
LA 470 C K	470-490 MHz	W 156
LA 490 C K	490-512 MHz	W 157
SPECIFICATIONS		
GAIN	4.5dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
POWER RATING	200 watts	
COLOR	Gray/Chrome	
WHIP	.100, enc coil	
COAX	17' RG-58A/U	
CONNECTOR	PL-259	
MAX HEIGHT	33"	

MODEL	FREQUENCY
LM UHF BASE B	406-512 MHz
SPECIFICATIONS	
TYPE	Base only
POWER RATING	200 watts
COLOR	Black
WHIP	Various UHF collinear whips
COAX	Order separately
MAX HEIGHT	2"

MODEL	FREQUENCY	WHIP
LM 406 C	406-420 MHz	W 152
LM 420 C	420-440 MHz	W 153
LM 440 C	440-460 MHz	W 154
LM 450 C	450-470 MHz	W 155
LM 470 C	470-490 MHz	W 156
LM 490 C	490-512 MHz	W 157
SPECIFICATIONS		
GAIN	4.5dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
POWER RATING	200 watts	
COLOR	Black/Chrome	
WHIP	.100, enc coil	
COAX	Order separately	
MAX HEIGHT	33"	

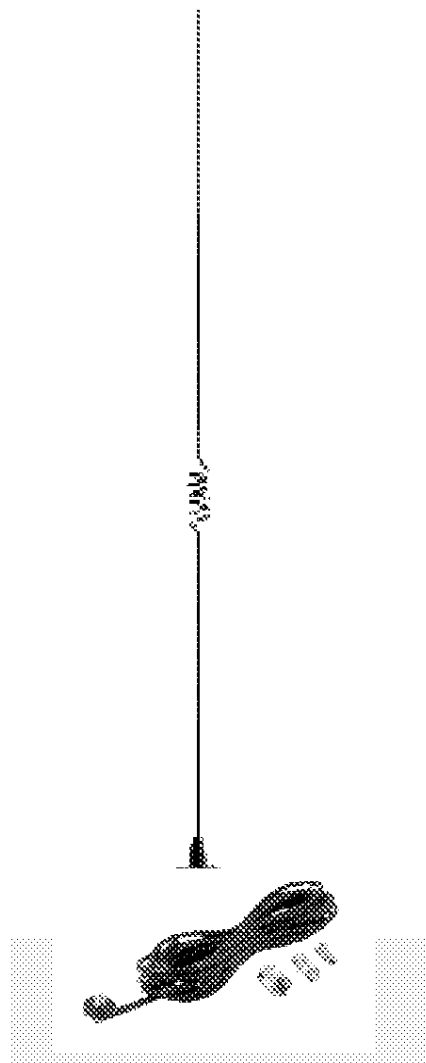
# Mobile UHF 406 - 512 MHz



Complete LM UHF antenna and mounting kit, 406-512 MHz. Black base, chrome whip



Base and black collinear whip for LM mounts, 406-512 MHz



Complete LM UHF antenna and mounting kit, 406-512 MHz. Black base and whip

MODEL	FREQUENCY	WHIP
LM 406 C K	406-420 MHz	W 152
LM 420 C K	420-440 MHz	W 153
LM 440 C K	440-460 MHz	W 154
LM 450 C K	450-470 MHz	W 155
LM 470 C K	470-490 MHz	W 156
LM 490 C K	490-512 MHz	W 157

## SPECIFICATIONS

GAIN	4.5dB
TYPE	5/8 over 1/2 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	.100, enc coil
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	33"

MODEL	FREQUENCY	WHIP
LM 406 B	406-420 MHz	W 142 B
LM 420 B	420-440 MHz	W 143 B
LM 440 B	440-460 MHz	W 144 B
LM 450 B	450-470 MHz	W 145 B
LM 470 B	470-490 MHz	W 146 B
LM 490 B	490-512 MHz	W 147 B

## SPECIFICATIONS

GAIN	3dB
TYPE	5/8 over 1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	.100, open coil
COAX	Order separately
MAX HEIGHT	30"

MODEL	FREQUENCY	WHIP
LM 450 B K	450-470 MHz	W 142 B
LM 420 B K	420-440 MHz	W 143 B
LM 440 B K	440-460 MHz	W 144 B
LM 450 B K	450-470 MHz	W 145 B
LM 470 B K	470-490 MHz	W 146 B
LM 490 B K	490-512 MHz	W 147 B

## SPECIFICATIONS

GAIN	3dB
TYPE	5/8 over 1/4 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	.100, open coil
COAX	17' RG-58A/U
CONNECTOR	PL-259
MAX HEIGHT	30"



# Mobile UHF 406 - 512 MHz



*UHF collinear whip antenna for LA/LM, 5/16-24THDS stud mounts, 406-512 MHz*



*Black UHF collinear whip antenna for LA/LM, 5/16-24THDS stud mounts, 406-512 MHz*



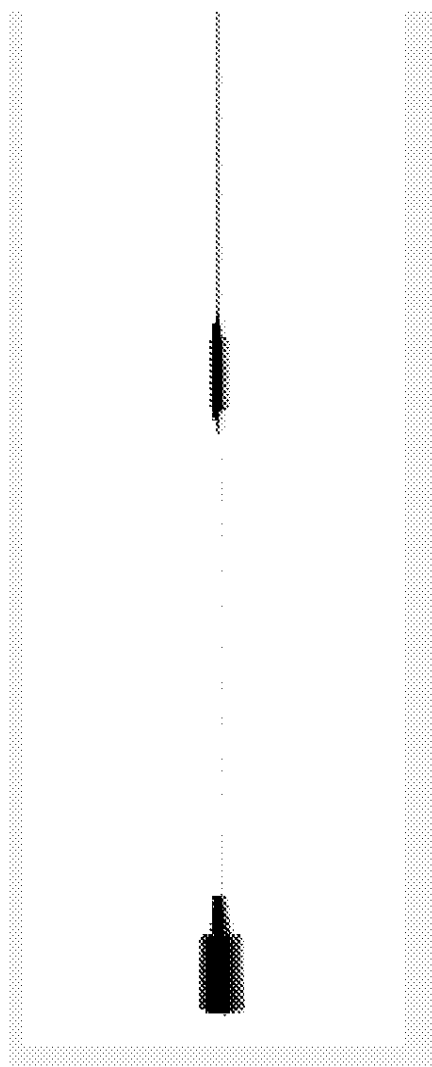
*Black UHF 1/2 wave coil only for PO/SO-239 type mounts, 406-512 MHz*

MODEL	FREQUENCY	WHIP
LMC 4060	406-420 MHz	W 152
LMC 4200	420-440 MHz	W 153
LMC 4400	440-460 MHz	W 154
LMC 4500	450-470 MHz	W 155
LMC 4700	470-490 MHz	W 156
LMC 4900	490-512 MHz	W 157
SPECIFICATIONS		
GAIN	4.5dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
POWER RATING	200 watts	
COLOR	Chrome	
WHIP	.100, enc coil	
COAX	Order separately	
MAX HEIGHT	32"	

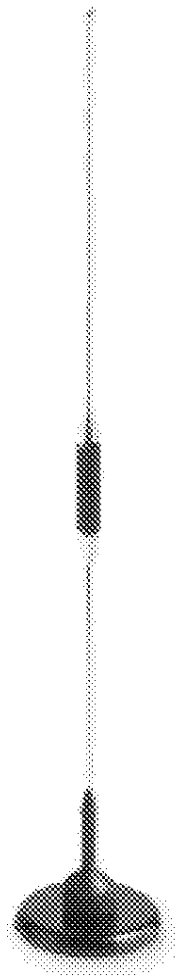
MODEL	FREQUENCY	WHIP
LMC 4060-B	406-420 MHz	W 142-B
LMC 4200-B	420-440 MHz	W 143-B
LMC 4400-B	440-460 MHz	W 144-B
LMC 4500-B	450-470 MHz	W 145-B
LMC 4700-B	470-490 MHz	W 146-B
LMC 4900-B	490-512 MHz	W 147-B
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/4 wave	
VSWR	1.5:1 or less	
POWER RATING	200 watts	
COLOR	Black	
WHIP	.100, open coil	
COAX	Order separately	
MAX HEIGHT	29"	

MODEL	FREQUENCY
MHW 406-BCO	406-420 MHz
MHW 450-BCO	450-470 MHz
SPECIFICATIONS	
TYPE	1/2 wave coil
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	2 1/2"

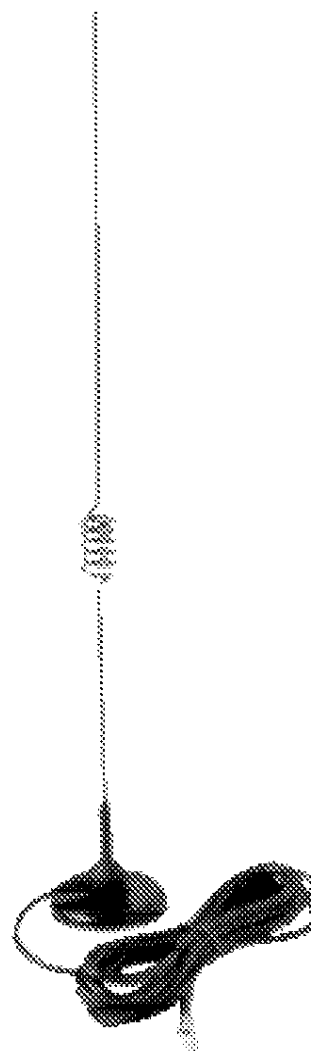
# Mobile UHF 406 - 512 MHz



*UHF 1/2 wave coil and chrome collinear whip  
for PO/SO-239 type mounts, 406-512 MHz*



*Complete UHF mag mount antenna with coax  
and chrome collinear whip, 406-512 MHz*



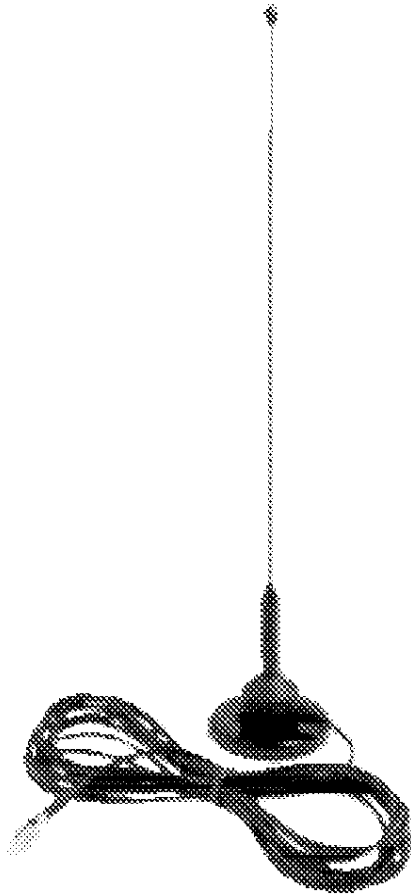
*Complete UHF mag mount antenna with coax  
and black collinear whip, 406-512 MHz*

MODEL	FREQUENCY	WHIP
MHW 406 C	406-420 MHz	W 158
MHW 450 C	450-470 MHz	W 161
SPECIFICATIONS		
GAIN	4.5dB	
TYPE	1/2 wave	
VSWR	1.5:1 or less	
POWER RATING	200 watts	
COLOR	Black/Chrome	
WHIP	.100, enc coil	
COAX	Order separately	
MAX HEIGHT	31 3/4"	

MODEL	FREQUENCY	WHIP
MM 406 C FME	406-420 MHz	W 152
MM 420 C FME	420-440 MHz	W 153
MM 440 C FME	440-460 MHz	W 154
MM 450 C FME	450-470 MHz	W 155
MM 470 C FME	470-490 MHz	W 156
MM 490 C FME	490-512 MHz	W 157
SPECIFICATIONS		
GAIN	4.5dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
POWER RATING	200 watts	
COLOR	Black/Chrome	
WHIP	.100, enc coil	
COAX	12' RG-58A/U	
CONNECTOR	FME CRIMP	
PULL STRENGTH	54lbs	
MAX HEIGHT	33"	

MODEL	FREQUENCY	WHIP
MM 3 406 FME	406-420 MHz	W 142 B
MM 3 420 FME	420-440 MHz	W 143 B
MM 3 440 FME	440-460 MHz	W 144 B
MM 3 450 FME	450-470 MHz	W 145 B
MM 3 470 FME	470-490 MHz	W 146 B
MM 3 490 FME	490-512 MHz	W 147 B
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/4 wave	
VSWR	1.5:1 or less	
POWER RATING	200 watts	
COLOR	Black	
WHIP	.100, open coil	
COAX	12' RG-58A/U	
CONNECTOR	FME CRIMP	
PULL STRENGTH	54lbs	
MAX HEIGHT	30"	

# Mobile UHF 406 - 512 MHz



*Complete UHF 1/4 wave mag mount antenna with coax, 406-512 MHz*



*Black base only for NMO mounts, 406-512 MHz*



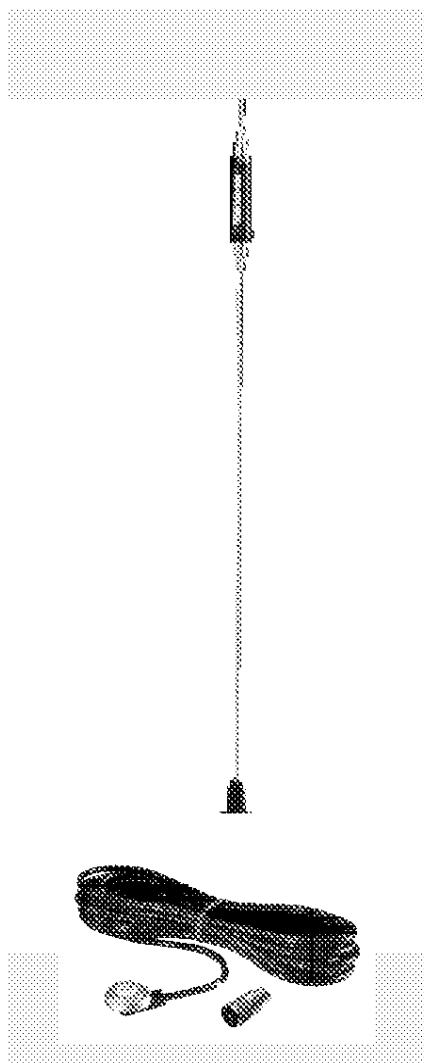
*Base and chrome collinear whip for NMO mounts, 406-512 MHz*

MODEL	FREQUENCY	WHIP
MSU406 FME	406-420 MHz	W MSU406
MSU420 FME	420-440 MHz	W MSU450
MSU440 FME	440-460 MHz	W MSU440
MSU450 FME	450-470 MHz	W MSU450
MSU470 FME	470-490 MHz	W MSU470
MSU490 FME	490-512 MHz	W MSU490
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less	
POWER RATING	50 watts	
COLOR	Black	
COAX	12' RG174	
CONNECTOR	FME CRIMP	
PULL STRENGTH	18"	
MAX HEIGHT	9"	

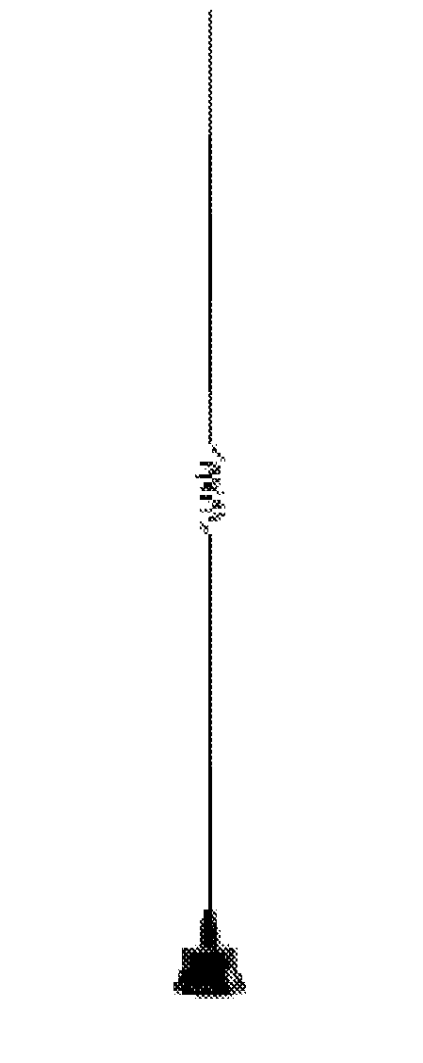
MODEL	FREQUENCY
NMO UHF BASE B	406-512 MHz
SPECIFICATIONS	
TYPE	Base only
POWER RATING	200 watts
COLOR	Black
WHIP	Various UHF collinear whips
COAX	Order separately
MAX HEIGHT	2"

MODEL	FREQUENCY	WHIP
NMO 406 C	406-420 MHz	W 152
NMO 420 C	420-440 MHz	W 153
NMO 440 C	440-460 MHz	W 154
NMO 450 C	450-470 MHz	W 155
NMO 470 C	470-490 MHz	W 156
NMO 490 C	490-512 MHz	W 157
SPECIFICATIONS		
GAIN	4.5dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
POWER RATING	200 watts	
COLOR	Black/Chrome	
WHIP	.100, enc coil	
COAX	Order separately	
MAX HEIGHT	33"	

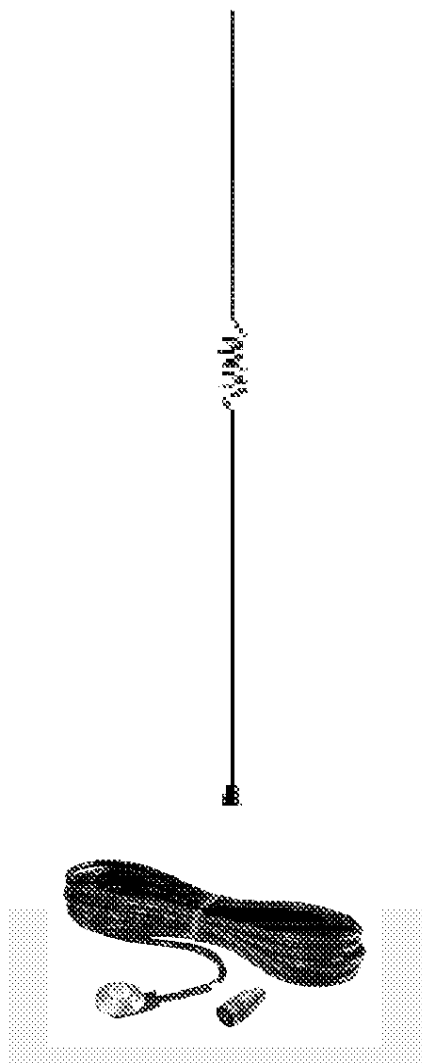
# Mobile UHF 406 - 512 MHz



Complete NMO UHF antenna and mounting kit, 406-512 MHz. Black base, chrome whip



Base and black collinear whip for NMO mounts, 406-512 MHz



Complete NMO UHF antenna and mounting kit, 406-512 MHz. Black base and whip

MODEL	FREQUENCY	WHIP
NMO 406 C K	406-420 MHz	W 152
NMO 420 C K	420-440 MHz	W 153
NMO 440 C K	440-460 MHz	W 154
NMO 450 C K	450-470 MHz	W 155
NMO 470 C K	470-490 MHz	W 156
NMO 490 C K	490-512 MHz	W 157
SPECIFICATIONS		
GAIN	4.5dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
POWER RATING	200 watts	
COLOR	Black/Chrome	
WHIP	100, enc coil	
COAX	17' RG-58A/U	
CONNECTOR	PL-259	
MAX HEIGHT	33"	

MODEL	FREQUENCY	WHIP
NMO 406 B	406-420 MHz	W 142 B
NMO 420 B	420-440 MHz	W 143 B
NMO 440 B	440-460 MHz	W 144 B
NMO 450 B	450-470 MHz	W 145 B
NMO 470 B	470-490 MHz	W 146 B
NMO 490 B	490-512 MHz	W 147 B
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/4 wave	
VSWR	1.5:1 or less	
POWER RATING	200 watts	
COLOR	Black	
WHIP	100, open coil	
COAX	Order separately	
MAX HEIGHT	30"	

MODEL	FREQUENCY	WHIP
NMO 406 B K	406-420 MHz	W 142 B
NMO 420 B K	420-440 MHz	W 143 B
NMO 440 B K	440-460 MHz	W 144 B
NMO 450 B K	450-470 MHz	W 145 B
NMO 470 B K	470-490 MHz	W 146 B
NMO 490 B K	490-512 MHz	W 147 B
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/4 wave	
VSWR	1.5:1 or less	
POWER RATING	200 watts	
COLOR	Black	
WHIP	100, open coil	
COAX	17' RG-58A/U	
CONNECTOR	PL-259	
MAX HEIGHT	30"	

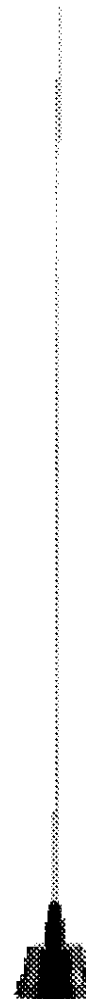
# Mobile UHF 406 - 512 MHz



*Black UHF 1/2 wave coil only for NMO mounts,  
406-512 MHz*



*UHF 1/2 wave coil and chrome collinear whip  
for NMO mounts, 406-512 MHz*



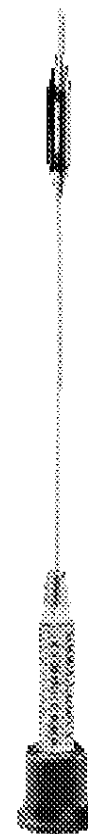
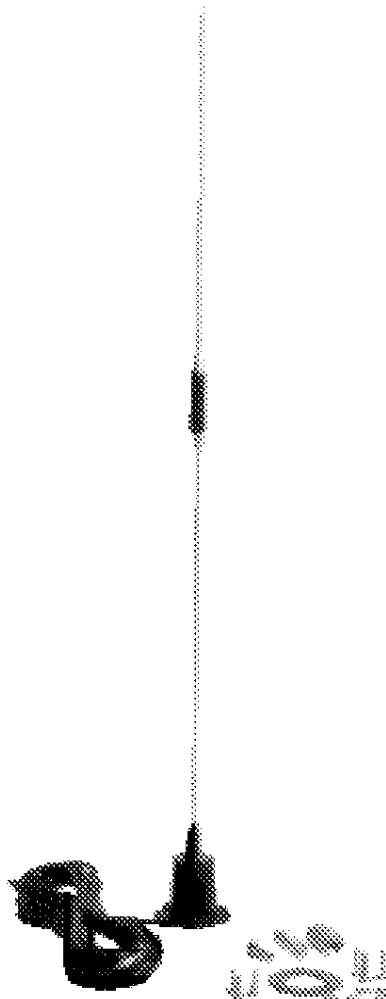
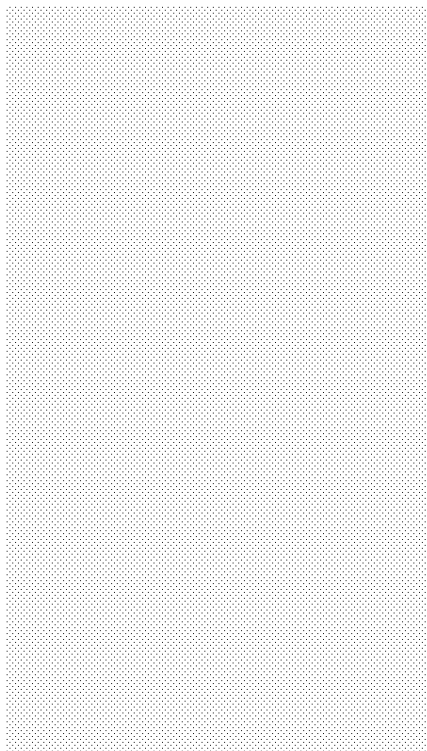
*NMO UHF base and chrome 5/8 wave whip,  
406-512 MHz*

MODEL	FREQUENCY
NMO 406 HW BCO	406-440 MHz
NMO 450 HW BCO	440-490 MHz
NMO 490 HW BCO	490-512 MHz
SPECIFICATIONS	
TYPE	1/2 wave coil
POWER RATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	2 1/2"

MODEL	FREQUENCY	WHIP
NMO 406 C HW	406-420 MHz	W 158
NMO 420 C HW	420-440 MHz	W 159
NMO 440 C HW	440-460 MHz	W 160
NMO 450 C HW	450-470 MHz	W 161
NMO 470 C HW	470-490 MHz	W 162
NMO 490 C HW	490-512 MHz	W 163
SPECIFICATIONS		
GAIN	5.5dB (with ground plane)	
TYPE	1/2 wave	
VSWR	1.5:1 or less	
POWER RATING	200 watts	
COLOR	Black/Chrome	
WHIP	.100, enc coil	
COAX	Order separately	
CONNECTOR	Order separately	
MAX HEIGHT	35 1/2"	

MODEL	FREQUENCY
NMO 450 5/8 C	450-470 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 wave
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black/Chrome
WHIP	W 170, .100, non tapered
COAX	Order separately
MAX HEIGHT	19"

# Mobile UHF 406 - 512 MHz



*Self mounting NGP antenna with pre installed coax, no whip, 406-512 MHz*

*Complete self mounting UHF NGP antenna with pre installed coax and whip, 406-512 MHz*

*Wideband UHF coil and whip*

MODEL	FREQUENCY
OM 406 BCO	406-440 MHz
OM 450 BCO	440-490 MHz
OM 490 BCO	490-512 MHz
SPECIFICATIONS	
TYPE	1/2 wave coil
VSWR	1.5:1 or less
POWER RATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	17' RG-58A/U
CONNECTOR	PL259
MAX HEIGHT	4"

MODEL	FREQUENCY	WHIP
OM 406 C K	406-420 MHz	W 158
OM 420 C K	420-440 MHz	W 159
OM 440 C K	440-460 MHz	W 160
OM 450 C K	450-470 MHz	W 161
OM 470 C K	470-490 MHz	W 162
OM 490 C K	490-512 MHz	W 163
SPECIFICATIONS		
GAIN	5.5dB (with ground plane)	
TYPE	1/2 wave	
VSWR	1.5:1 or less	
POWER RATING	200 watts	
COLOR	Black/Chrome	
WHIP	.100, enc coil	
COAX	17' RG-58A/U	
MAX HEIGHT	35 1/2"	

MODEL	FREQUENCY
NMO WB 406C	406-470 MHz
SPECIFICATIONS	
GAIN	3.5 dB
TYPE	Wide band
VSWR	2.0:1 or less
BANDWIDTH @ 1.5:1	30 MHz
POWER	200 watts
COLOR	Black/Chrome
COAX	Order Separately
MAX HEIGHT	35 1/2"

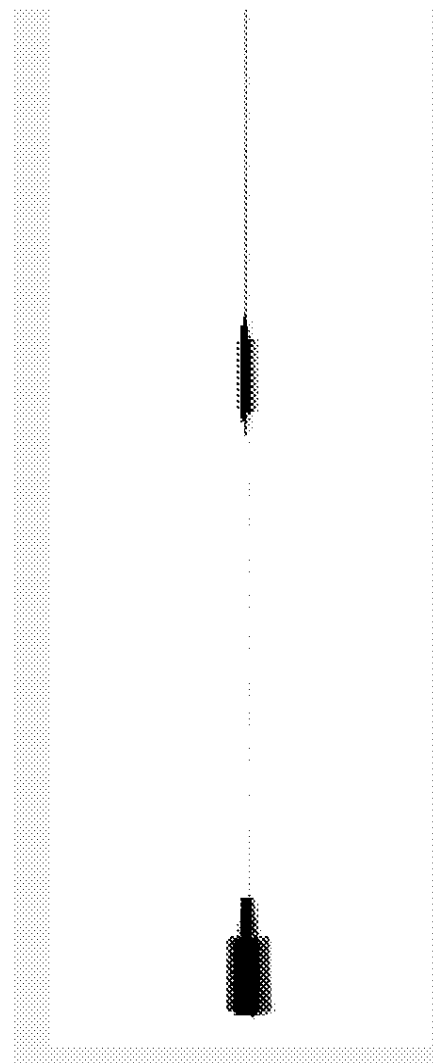
# Mobile UHF 406 - 512 MHz



*Complete wideband UHF antenna and mounting kit*



*Black UHF coil only for PO/SO-239 type mounts, 406-512 MHz*



*UHF coil and chrome collinear whip for PO/SO-239 type mounts, 406-512 MHz*

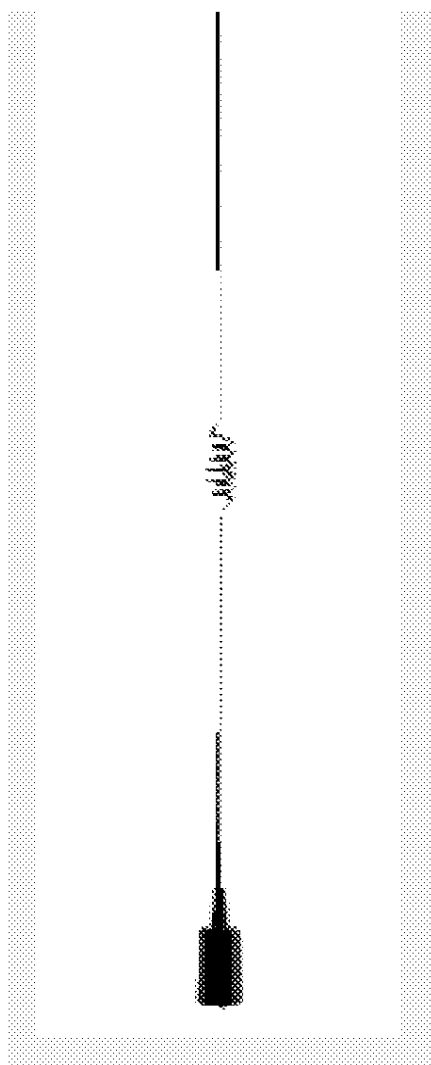
MODEL	FREQUENCY
NMOWB406CK	406-470 MHz
SPECIFICATIONS	
GAIN	3.5 dB
TYPE	Wide band
VSWR	2.0:1 or less
BANDWIDTH @ 1.5:1	30 MHz
POWER	200 watts
COLOR	Black/Chrome
COAX	17' RG58A/U
CONNECTOR	PL259
MAX HEIGHT	35 1/2"

MODEL	FREQUENCY
PO UHF BASE B	406-512 MHz
SPECIFICATIONS	
TYPE	Coil only
POWER RATING	200 watts
COLOR	Black
WHIP	Order separately
COAX	Order separately
MAX HEIGHT	2 1/2"

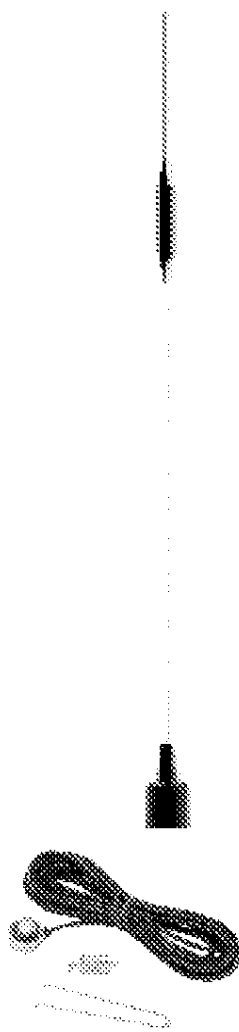
MODEL	FREQUENCY	WHIP
PO 406 C	406-420 MHz	W 152
PO 420 C	420-440 MHz	W 153
PO 440 C	440-450 MHz	W 154
PO 450 C	450-470 MHz	W 155
PO 470 C	470-490 MHz	W 156
PO 490 C	490-512 MHz	W 157
SPECIFICATIONS		
GAIN	4.5 dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
POWER RATING	200 watts	
COLOR	Black/Chrome	
WHIP	100' enc coil	
COAX	Order separately	
MAX HEIGHT	31 3/4"	



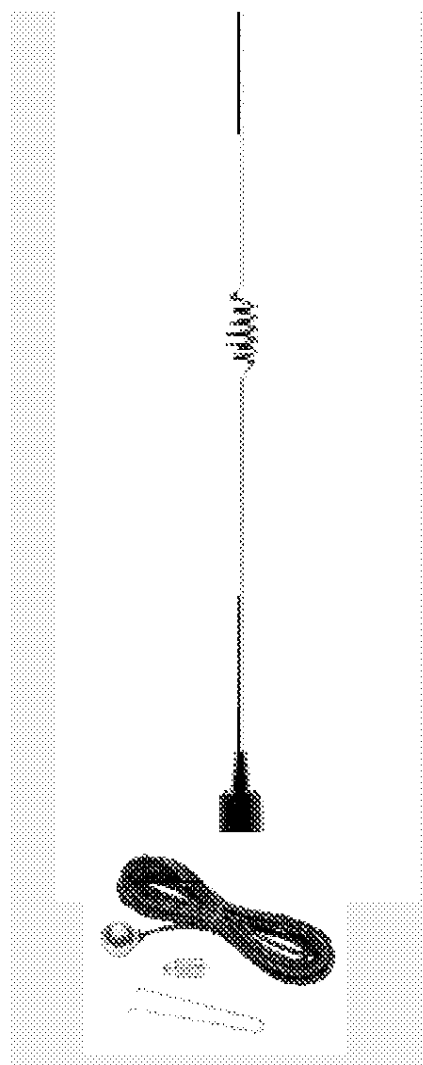
# Mobile UHF 406 - 512 MHz



UHF coil and black collinear whip for PO/SO-239 type mounts, 406-512 MHz



Complete UHF antenna and mounting kit for PO/SO-239 type mounts, 406-512 MHz. Black coil, chrome whip



Complete UHF antenna and mounting kit for PO/SO-239 type mounts, 406-512 MHz. Black coil, chrome whip

MODEL	FREQUENCY	WHIP
PO 406 B	406-420 MHz	W 142 B
PO 420 B	420-440 MHz	W 143 B
PO 440 B	440-450 MHz	W 144 B
PO 450 B	450-470 MHz	W 145 B
PO 470 B	470-490 MHz	W 146 B
PO 490 B	490-512 MHz	W 147 B
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/4 wave	
VSWR	1.5:1 or less	
POWER RATING	200 watts	
COLOR	Black	
WHIP	.100" open coil	
COAX	Order separately	
MAX HEIGHT	30"	

MODEL	FREQUENCY	WHIP
PO 406 C K	406-420 MHz	W 152
PO 420 C K	420-440 MHz	W 153
PO 440 C K	440-450 MHz	W 154
PO 450 C K	450-470 MHz	W 155
PO 470 C K	470-490 MHz	W 156
PO 490 C K	490-512 MHz	W 157
SPECIFICATIONS		
GAIN	4.5dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
POWER RATING	200 watts	
COLOR	Black/Chrome	
WHIP	.100" enc coil	
COAX	17' RG-58A/U	
CONNECTOR	PL259	
MAX HEIGHT	31 3/4"	

MODEL	FREQUENCY	WHIP
PO 406 B K	406-420 MHz	W 152
PO 420 B K	420-440 MHz	W 153
PO 440 B K	440-450 MHz	W 154
PO 450 B K	450-470 MHz	W 155
PO 470 B K	470-490 MHz	W 156
PO 490 B K	490-512 MHz	W 157
SPECIFICATIONS		
GAIN	4.5dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
POWER RATING	200 watts	
COLOR	Black	
WHIP	.100" enc coil	
COAX	17' RG-58A/U	
CONNECTOR	PL259	
MAX HEIGHT	31 3/4"	

# Mobile Cellular, SMR, Data 800/900 MHz

Larsen offers a complete line of Cellular, SMR and Data antennas from unity to 5dB gain.

Larsen 800/900 MHz antennas use efficient RF designs, highly conductive materials, and fully soldered construction to provide the best in low noise and low loss operation whether in an analog or digital environment.

From the premium glass mounted antenna to the broadest offering of mobile antenna configurations, each Larsen 800/900 MHz antenna is preset at the factory for ease of installation and to ensure optimal performance.

## **LARSEN 800/900MHZ MOBILES ARE AVAILABLE IN A VARIETY OF ELECTRICAL TYPES FOR THE FOLLOWING STYLES:**

CM - Heavy-duty "cone" base for 5/16-24 THDS stud mount

EF - Elevated feed antenna with PCB circuitry for precision tuning

KG - Patented low-impedance design in a glass mounted antenna

LM - Durable 5/16-24 THDS stud mount for 3/4" hole, low profile, easy to install mount

MM/MS - Economical, complete mag mount antenna, compact design

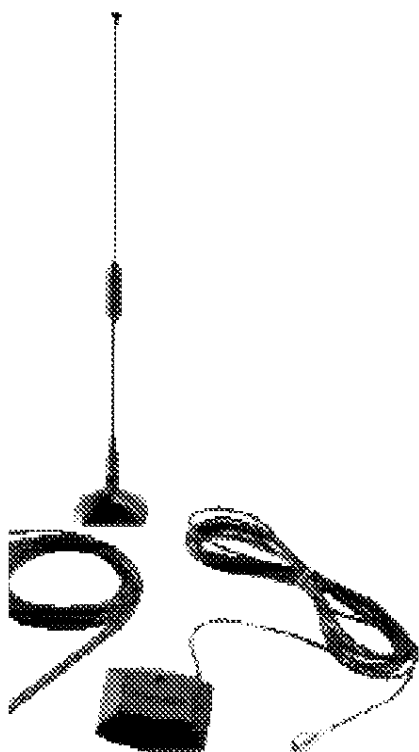
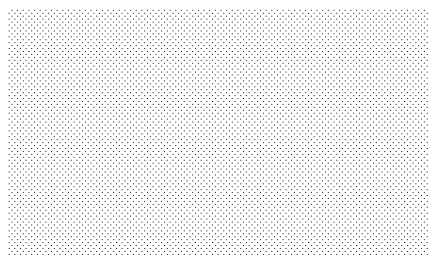
NMO - Premium Motorola style 3/4" hole mount

OM - Self mounting, no ground plane antenna

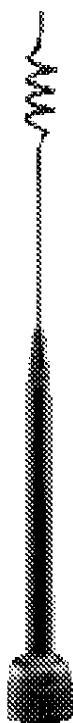
## **COUNT ON LARSEN UHF ANTENNAS TO DELIVER THESE SUPERIOR PERFORMANCE ADVANTAGES:**

- Handles full 200 watts of power (except KG, MS, EF, ES)
- Exclusive 17-7 stainless steel Kulrod plated whips for maximum radiation efficiency. Available in black or chrome
- Waterproof phasing coil is engineered to minimize wind drag and antenna rod distortion at high speeds.
- Optional shock spring that is internally shorted with highly flexible insulated wire to eliminate distortion
- Durable Makroblend shells are UV and chemical resistant

# Mobile Cellular, SMR, Data 800/900 MHz



*Uplink glass mount cellphone amplifier system.*



*NMO style swivel base elevated feed antenna*



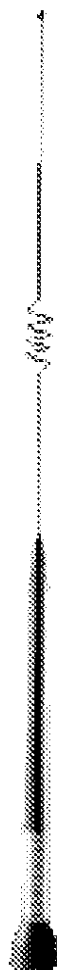
*Trunk lid mount NMO style swivel base elevated feed antenna w/cable*

MODEL	FREQUENCY	PACKAGING
AR0001	824-896 MHz	Retail
AR0004	824-896 MHz	Poly bag
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	.070, enc. coil	
COAX	RG-174	
BASE SIZE	1.37" x 1.87"	
POWER RATING	7 watts	
MAX HEIGHT	13"	

MODEL	FREQUENCY
ES 806	806-866 MHz
ES 825	824-896 MHz
ES 900	890-960 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 over 1/4 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.100, open coil
COAX	Order separately
POWER RATING	35 watts
MAX HEIGHT	21"

MODEL	FREQUENCY	CONNECTOR
ES 806 TLP	806-866 MHz	No Conn.
ES 806 TLP MPL	806-866 MHz	MPL
ES 825 TLP	824-896 MHz	No Conn.
ES 825 TLP FME	824-896 MHz	FME
ES 825 TLP MPL	824-896 MHz	MPL
ES 825 TLP TNC	824-896 MHz	TNC
ES 900 TLP	890-960 MHz	No Conn.
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/4 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	.100, open coil	
COAX	1' RG-174, 16' RG-58/U Dual Shield	
POWER RATING	35 watts	
MAX HEIGHT	21"	

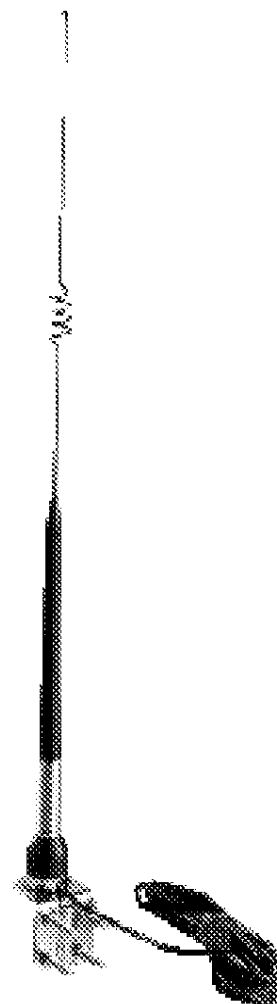
# Mobile Cellular, SMR, Data 800/900 MHz



*NMO style spring base elevated feed antenna*



*Trunk lid mount, spring base NMO style elevated feed antenna*



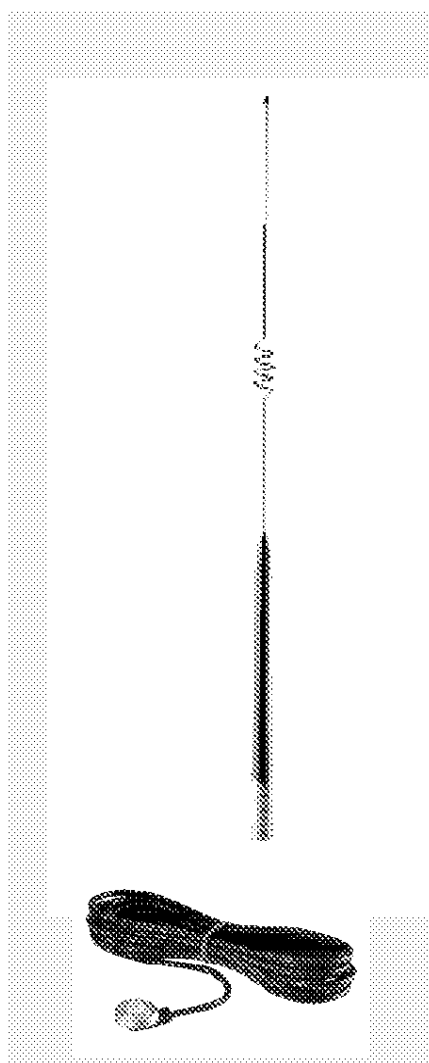
*Mirror mount NMO style spring base elevated feed antenna w/cable*

MODEL	FREQUENCY
EF806SNMO	806-866 MHz
EF825SNMO	824-896 MHz
EF900SNMO	890-960 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 over 1/4 wave
VSWR	1.5:1 or less
COLOR	Black/Chrome
WHIP	.100, open coil
COAX	Order separately
POWERRATING	60 watts
MAX HEIGHT	26"

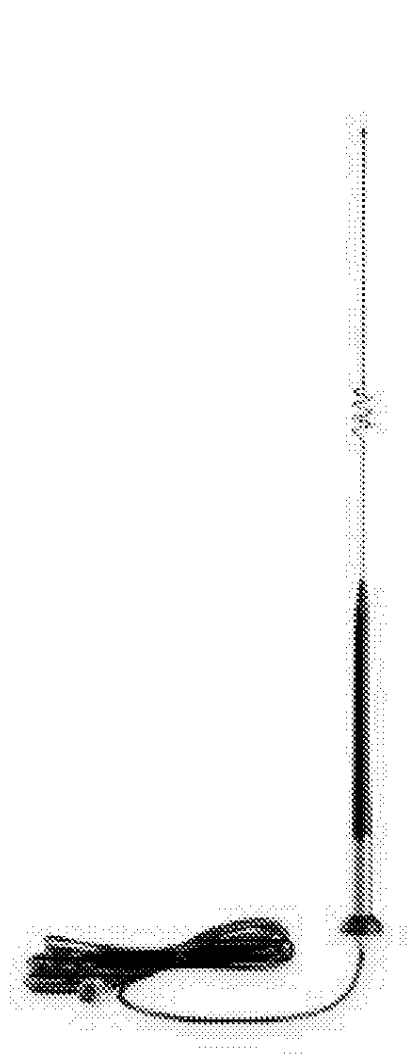
MODEL	FREQUENCY	CONNECTOR
EF806STLPMPL	806-866 MHz	MPL
EF806STLPTNC	806-866 MHz	TNC
EF825STLPMPL	824-896 MHz	FME
EF825STLPTNC	824-896 MHz	TNC
EF900STLP	890-960 MHz	No Conn.
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/4 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	.100, open coil	
COAX	1' RG174, 16' RG-58/U Dual Shield	
POWERRATING	60 watts	
MAX HEIGHT	27"	

MODEL	FREQUENCY	CONNECTOR
EF806SNMOMB	806-866 MHz	No Conn.
EF825SNMOMB	824-896 MHz	No Conn.
EF900SNMOMB	890-960 MHz	No Conn.
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/4 wave	
VSWR	1.5:1 or less	
COLOR	Black/Chrome	
WHIP	.100, open coil	
COAX	17' RG-58/U Dual Shield	
POWERRATING	60 watts	
MAX HEIGHT	26 1/2"	

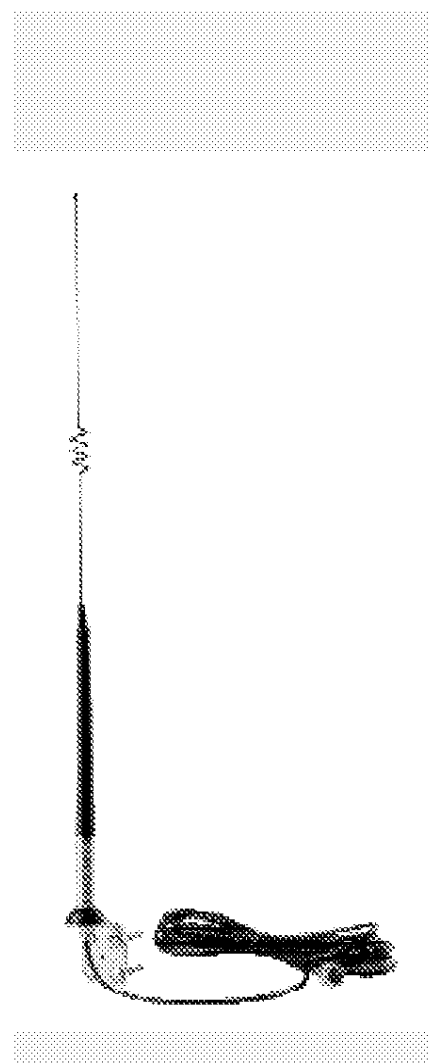
# Mobile Cellular, SMR, Data 800/900 MHz



*NMO style spring base elevated feed antenna w/cable*



*Direct feed spring base elevated feed antenna w/cable*



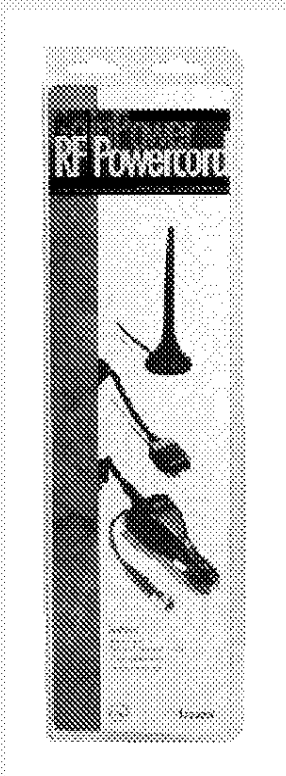
*Mirror mount spring base elevated feed antenna w/cable*

MODEL	FREQUENCY	CONNECTOR
EF806SNMOUD	806-866 MHz	No Conn.
EF806SNMOUDMPL	806-866 MHz	MPL
EF806SNMOUDTNC	806-866 MHz	TNC
EF825SNMOUD	824-896 MHz	No Conn.
EF825SNMOUDMPL	824-896 MHz	MPL
EF825SNMOUDTNC	824-896 MHz	TNC
EF900SNMOUD	890-960 MHz	No Conn.
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/4 wave	
VSWR	1.5:1 or less	
COLOR	Black/Chrome	
WHIP	.100, open coil	
COAX	17' RG-58/U Dual Shield	
POWER RATING	60 watts	
MAX HEIGHT	26"	

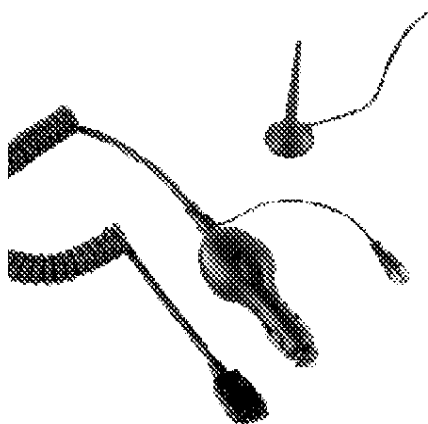
MODEL	FREQUENCY	CONNECTOR
EF806S	806-866 MHz	No Conn.
EF825S	824-896 MHz	No Conn.
EF900S	890-960 MHz	No Conn.
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
COLOR	Black/Chrome	
WHIP	.100, open coil	
COAX	14' RG-58/U Dual Shield	
POWER RATING	60 watts	
MAX HEIGHT	27"	

MODEL	FREQUENCY	CONNECTOR
EF806SMB	806-866 MHz	No Conn.
EF825SMB	824-896 MHz	No Conn.
EF900SMB	890-960 MHz	No Conn.
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
COLOR	Black/Chrome	
WHIP	.100, open coil	
COAX	14' RG-58/U Dual Shield	
POWER RATING	60 watts	
MAX HEIGHT	27"	

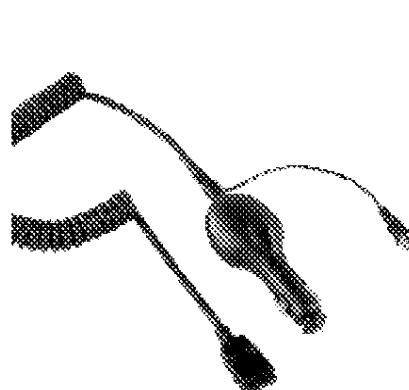
# Mobile Cellular, SMR, Data 800/900 MHz



Retail pack RF power cord, battery eliminator/charger w/antenna for Nokia 232, AT&T 3850, Radio Shack CT352, Technophone PC 515



RF power cord, battery eliminator/charger w/antenna for Nokia 232, AT&T 3850, Radio Shack CT352, Technophone PC 515



RF power cord, battery eliminator/charger w/o antenna for Nokia 232, AT&T 3850, Radio Shack CT 352, Technophone PC 515

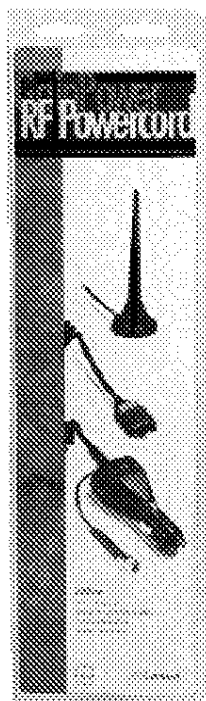
MODEL	FREQUENCY	CONNECTOR
GP0001	824-896 MHz	FME Female
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	Molded mag mount antenna	
COAX	12" RG174	
BASE SIZE	4"h x 1 1/4"d	
POWER RATING	7 watts	
MAX HEIGHT	4"	

MODEL	FREQUENCY	CONNECTOR
GP0009	824-896 MHz	FME Female
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	Molded mag mount antenna	
COAX	12" RG 174	
BASE SIZE	4"h x 1 1/4"d	
POWER RATING	7 watts	
MAX HEIGHT	4"	

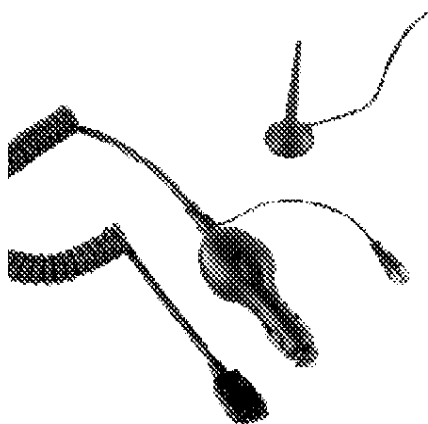
MODEL	FREQUENCY	CONNECTOR
GP0005	824-896 MHz	FME Female
SPECIFICATIONS		
COAX	8" RG-174	



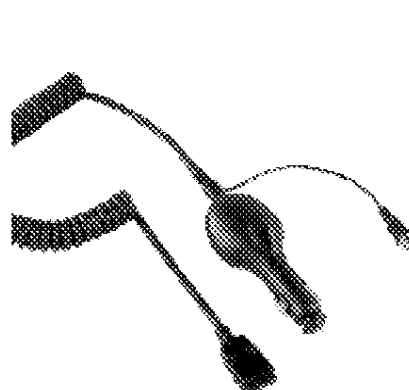
# Mobile Cellular, SMR, Data 800/900 MHz



*Retail pack RF power cord, battery eliminator/charger w/antenna for Nokia 2110/2120/2160, AT&T 6650, Technophone TD 815*



*RF power cord, battery eliminator/charger w/antenna for Nokia 2110/2120/2160, AT&T 6650, Technophone TD 815*



*RF power cord, battery eliminator/charger w/o antenna for Nokia 2110/2120/2160, AT&T 6650, Technophone TD 815*

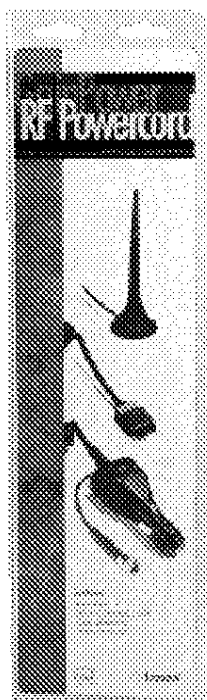
MODEL	FREQUENCY	CONNECTOR
GP0002	824-896 MHz	FME Female
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	Molded mag mount antenna	
COAX	12" RG174	
BASE SIZE	4"h x 1 1/4"d	
POWER RATING	7 watts	
MAX HEIGHT	4"	

MODEL	FREQUENCY	CONNECTOR
GP0010	824-896 MHz	FME Female
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	Molded mag mount antenna	
COAX	12" RG174	
BASE SIZE	4"h x 1 1/4"d	
POWER RATING	7 watts	
MAX HEIGHT	4"	

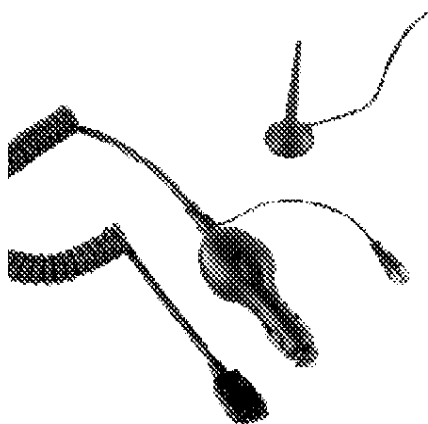
MODEL	FREQUENCY	CONNECTOR
GP0006	824-896 MHz	FME Female
SPECIFICATIONS		
COAX	8" RG-174	



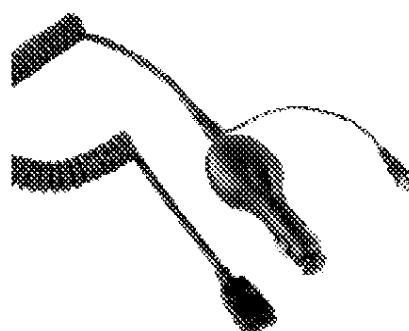
# Mobile Cellular, SMR, Data 800/900 MHz



*Retail pack RF power cord, battery eliminator/charger w/antenna for Motorola Elite*



*RF power cord, battery eliminator/charger w/antenna for Motorola Elite*



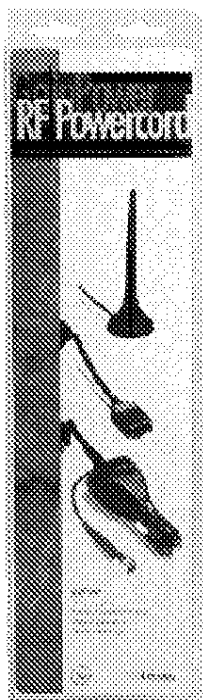
*RF power cord, battery eliminator/charger w/o antenna for Motorola Elite*

MODEL	FREQUENCY	CONNECTOR
GP0003	824-896 MHz	FME Female
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	Molded mag mount antenna	
COAX	12" RG174	
BASE SIZE	4"b x 1 1/4"d	
POWER RATING	7 watts	
MAX HEIGHT	4"	

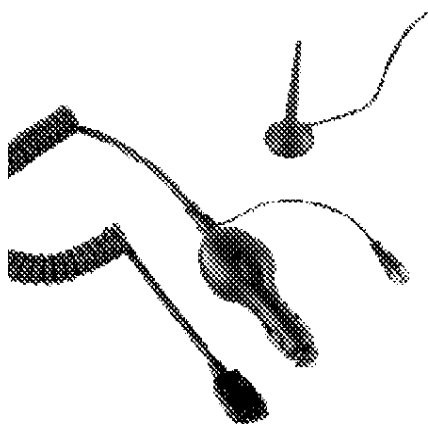
MODEL	FREQUENCY	CONNECTOR
GP0011	824-896 MHz	FME Female
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	Molded mag mount antenna	
COAX	12" RG174	
BASE SIZE	4"b x 1 1/4"d	
POWER RATING	7 watts	
MAX HEIGHT	4"	

MODEL	FREQUENCY	CONNECTOR
GP0007	824-896 MHz	FME Female
SPECIFICATIONS		
COAX	8" RG-174	

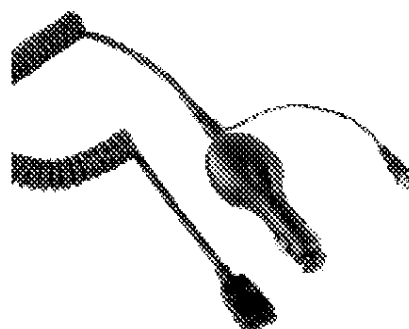
# Mobile Cellular, SMR, Data 800/900 MHz



*Retail pack RF power cord, battery eliminator/charger w/antenna for NEC 7 P 700, 701, 760, 761, 810, 820, 830, 840*



*RF power cord, battery eliminator/charger w/antenna for NEC P 700, 701, 760, 761, 810, 820, 830, 840*



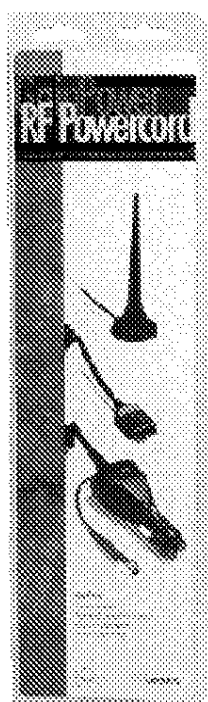
*RF power cord, battery eliminator/charger w/o antenna for NEC P 700, 701, 760, 761, 810, 820, 830, 840*

MODEL	FREQUENCY	CONNECTOR
GP0016	824-896 MHz	FME Female
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	Molded mag mount antenna	
COAX	12' RG174	
BASE SIZE	4"h x 1 1/4"d	
POWER RATING	7 watts	
MAX HEIGHT	4"	

MODEL	FREQUENCY	CONNECTOR
GP0022	824-896 MHz	FME Female
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	Molded mag mount antenna	
COAX	12' RG174	
BASE SIZE	4"h x 1 1/4"d	
POWER RATING	7 watts	
MAX HEIGHT	4"	

MODEL	FREQUENCY	CONNECTOR
GP0013	824-896 MHz	FME Female
SPECIFICATIONS		
COAX	8' RG-174	

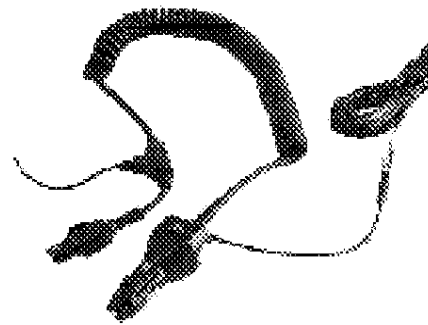
# Mobile Cellular, SMR, Data 800/900 MHz



*Retail pack RF power cord, battery eliminator/charger w/antenna for Motorola Microtac*



*RF power cord, battery eliminator/charger w/antenna for Motorola Microtac*



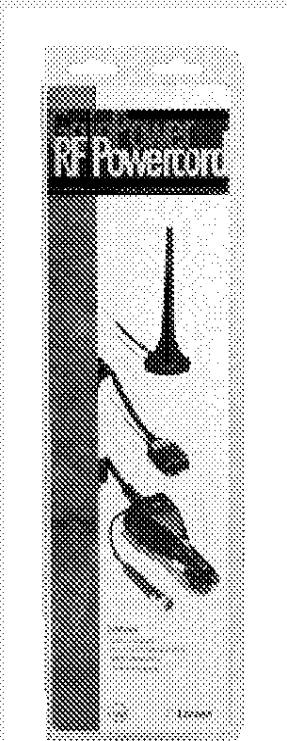
*RF power cord, battery eliminator/charger w/o antenna for Motorola Microtac*

MODEL	FREQUENCY	CONNECTOR
GP0017	824-896 MHz	FME Female
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	Molded mag mount antenna	
COAX	12' RG174	
BASE SIZE	4" h x 1 1/4" d	
POWER RATING	7 watts	
MAX HEIGHT	4"	

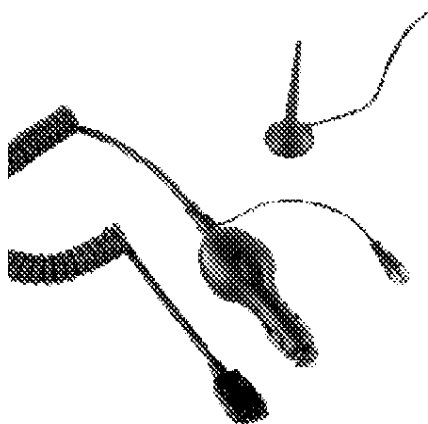
MODEL	FREQUENCY	CONNECTOR
GP0021	824-896 MHz	FME Female
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	Molded mag mount antenna	
COAX	12' RG174	
BASE SIZE	4" h x 1 1/4" d	
POWER RATING	7 watts	
MAX HEIGHT	4"	

MODEL	FREQUENCY	CONNECTOR
GP0014	824-896 MHz	FME Female
SPECIFICATIONS		
COAX	8' RG-174	

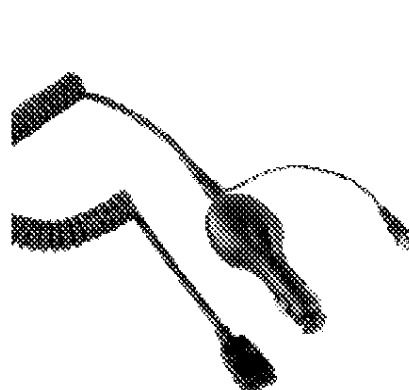
# Mobile Cellular, SMR, Data 800/900 MHz



Retail pack RF power cord, battery eliminator/charger w/antenna for Audiovox 405, 406



RF power cord, battery eliminator/charger w/antenna for Audiovox 405, 406



RF power cord, battery eliminator/charger w/o antenna for Audiovox 405, 406

MODEL	FREQUENCY	CONNECTOR
GP0019	824-896 MHz	FME Female
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	Molded mag mount antenna	
COAX	12' RG174	
BASE SIZE	4"b x 1 1/4"d	
POWER RATING	7 watts	
MAX HEIGHT	4"	

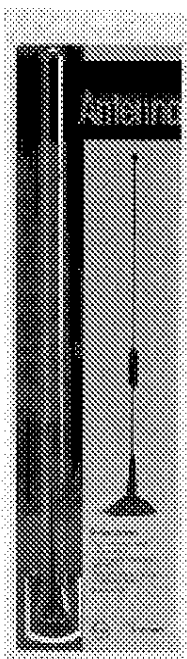
MODEL	FREQUENCY	CONNECTOR
GP0023	824-896 MHz	FME Female
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	Molded mag mount antenna	
COAX	12' RG174	
BASE SIZE	4"b x 1 1/4"d	
POWER RATING	7 watts	
MAX HEIGHT	4"	

MODEL	FREQUENCY	CONNECTOR
GP0025	824-896 MHz	FME Female
SPECIFICATIONS		
COAX	8' RG-174	

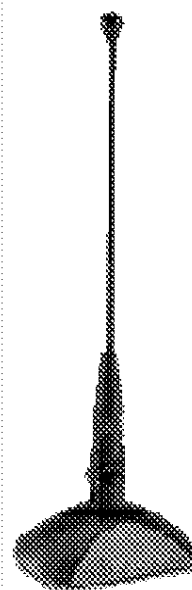
# Mobile Cellular, SMR, Data 800/900 MHz



*Unity gain glass mount antenna*



*Retail pack, unity gain glass mount antenna with connectors*



*Outside base & whip for unity KG glass mount antenna*

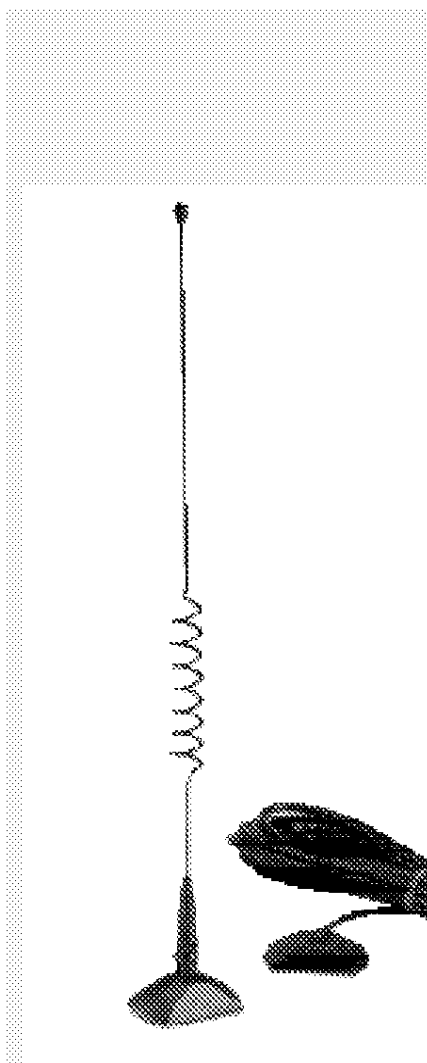
MODEL	FREQUENCY	CONNECTOR
KG-U 825 UD	806-896 MHz	No Conn.
KG-U 825 UD FME	806-896 MHz	FME
KG-U 825 UD MPL	806-896 MHz	MPL
KG-U 825 UD TNC	806-896 MHz	TNC
KG-U 900 UD	890-960 MHz	No Conn.
KG-U 900 FME	890-960 MHz	FME
<b>SPECIFICATIONS</b>		
GAIN	Unity	
TYPE	1/2 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	.070, spike	
COAX	14" RG-58/U Dual Shield	
BASE SIZE	1.37" x 1.87"	
POWER RATING	100 watts	
MAX HEIGHT	4.5"	

MODEL	FREQUENCY	CONNECTOR
KGU825UDMPL-PP	806-896 MHz	MPL
KGU825UDTNC-PP	806-896 MHz	TNC
KGU825UDFME-PP	806-896 MHz	FME w/TNC, MPL adapt.
<b>SPECIFICATIONS</b>		
GAIN	Unity	
TYPE	1/2 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	.070, spike	
COAX	14" RG-58/U Dual Shield	
BASE SIZE	1.37" x 1.87"	
POWER RATING	100 watts	
MAX HEIGHT	4.5"	

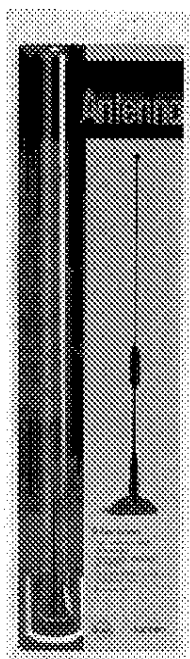
MODEL	FREQUENCY
KG-U 825 O/S	806-896 MHz
KG-U 900 O/S	890-960 MHz
<b>SPECIFICATIONS</b>	
GAIN	Unity
TYPE	1/2 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.070, spike
BASE SIZE	1.37" x 1.87"
POWER RATING	100 watts
MAX HEIGHT	4.5"



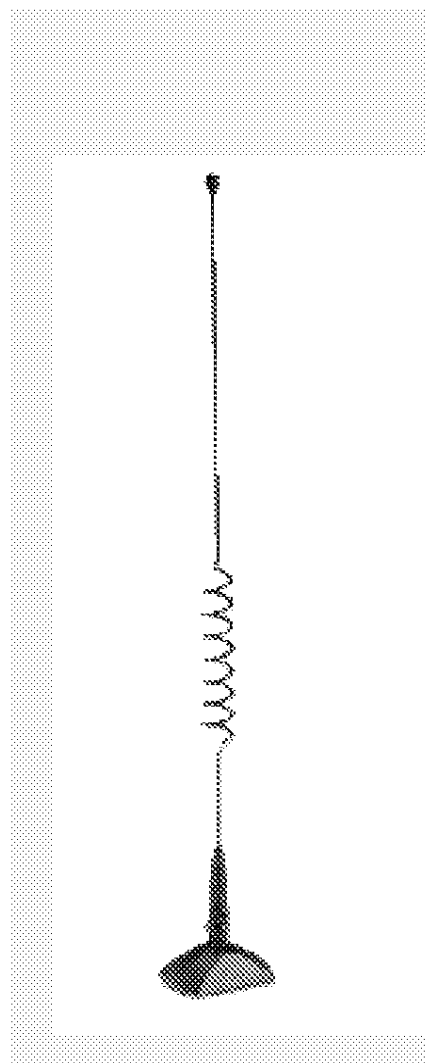
# Mobile Cellular, SMR, Data 800/900 MHz



*Standard glass mount gain antenna*



*Retail pack, standard glass mount gain antenna with connector*



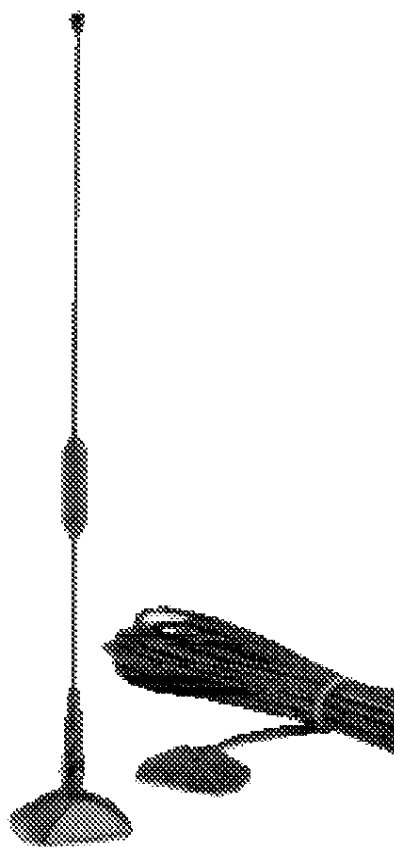
*Outside base & open coil whip KG glass mount antenna*

MODEL	FREQUENCY	CONNECTOR
KG-825 UD	806-896 MHz	No Conn.
KG-825 UD-FME	806-896 MHz	FME
KG-825 UD-MPL	806-896 MHz	MPL
KG-825 UD-TNC	806-896 MHz	TNC
KG-900 UD	890-960 MHz	No Conn.
KG-900 UD-FME	890-960 MHz	FME
KG-900 UD-MPL	890-960 MHz	MPL
KG-900 UD-TNC	890-960 MHz	TNC
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	.070, open coil	
COAX	14' RG-58/U Dual Shield	
BASE SIZE	1.37" x 1.87"	
POWER RATING	100 watts	
MAX HEIGHT	14.5"	

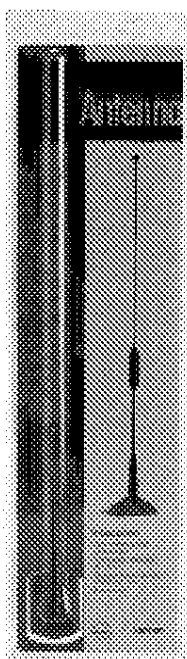
MODEL	FREQUENCY	CONNECTOR
KG825UD-FME-PP	806-896 MHz	FME w/TNC, MPL adapt.
KG-825 UD-MPL-PP	806-896 MHz	MPL
KG-825 UD-TNC-PP	806-896 MHz	TNC
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	.070, open coil	
COAX	14' RG-58/U Dual Shield	
BASE SIZE	1.37" x 1.87"	
POWER RATING	100 watts	
MAX HEIGHT	14.5"	

MODEL	FREQUENCY
KG-825 O/S	806-896 MHz
KG-900 O/S	890-960 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 over 1/2 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.070, open coil
BASE SIZE	1.37" x 1.87"
POWER RATING	100 watts
MAX HEIGHT	14.5"

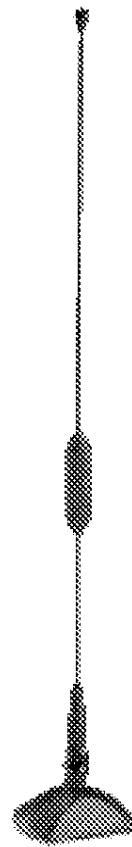
# Mobile Cellular, SMR, Data 800/900 MHz



*SuperFlex glass mount gain antenna*



*Retail pack, SuperFlex glass mount gain antenna with connector*



*Outside base & enc. coil whip KG glass mount antenna*

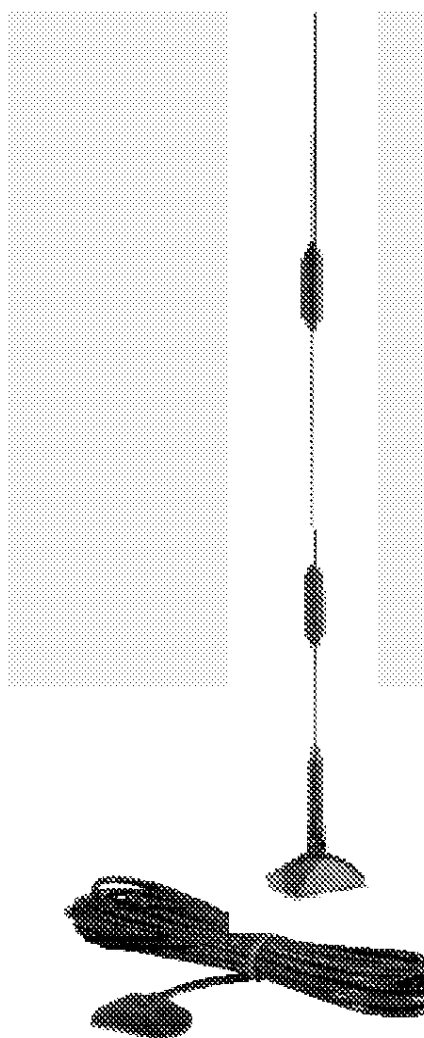
MODEL	FREQUENCY	CONNECTOR
KG 3E 825 UD	806-896 MHz	No Conn.
KG 3E 825 UD FME	806-896 MHz	FME
KG 3E 825 UD MPL	806-896 MHz	MPL
KG 3E 825 UD TNC	806-896 MHz	TNC
KG 3E 900 UD	890-960 MHz	No Conn.
KG 3E 900 UD FME	890-960 MHz	FME
KG 3E 900 UD MPL	890-960 MHz	MPL
KG 3E 900 UD TNC	890-960 MHz	TNC
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	.070, enc. coil	
COAX	14 RG-58/U Dual Shield	
BASE SIZE	1.37" x 1.87"	
POWER RATING	100 watts	
MAX HEIGHT	13"	

MODEL	FREQUENCY	CONNECTOR
KG3E825UDFME RP	806-896 MHz	FME w/TNC, MPL
KG3E825UDMPL RP	806-896 MHz	adap. MPL
KG3E825UDTNC RP	806-896 MHz	TNC
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	.070, enc. coil	
COAX	14 RG-58/U Dual Shield	
BASE SIZE	1.37" x 1.87"	
POWER RATING	100 watts	
MAX HEIGHT	13"	

MODEL	FREQUENCY
KG 3E 825 O/S	806-896 MHz
KG 3E 900 O/S	890-960 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 over 1/2 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.070, enc. coil
BASE SIZE	1.37" x 1.87"
POWER RATING	100 watts
MAX HEIGHT	13"



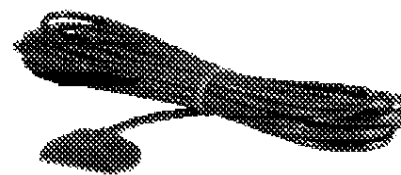
# Mobile Cellular, SMR, Data 800/900 MHz



*High gain SuperFlex glass mount antenna*



*Outside base & twin enc. coil whip KG glass mount antenna*



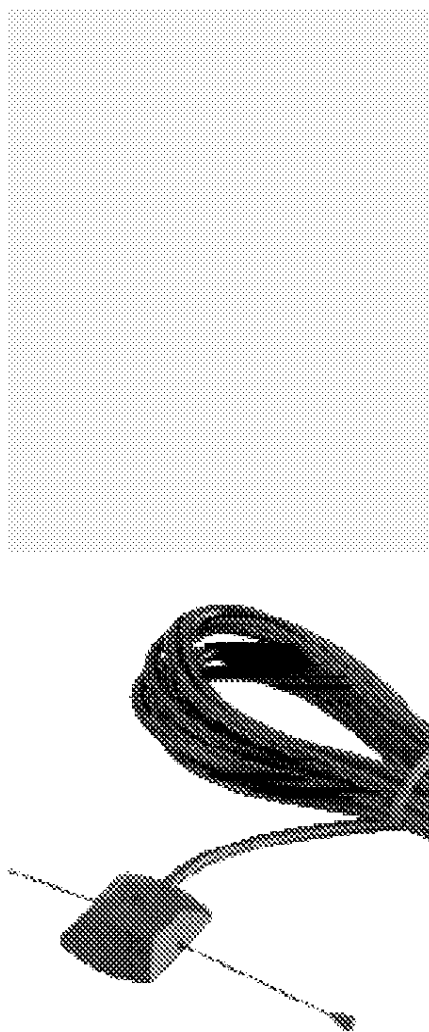
*Inside coupler w/coax for KG glass mount antennas*

MODEL	FREQUENCY	CONNECTOR
KG 5E 825 UD	806-896 MHz	No Conn.
KG 5E 825 UD FME	806-896 MHz	FME
KG 5E 825 UD MPL	806-896 MHz	MPL
KG 5E 825 UD TNC	806-896 MHz	TNC
KG 5E 900 UD	890-960 MHz	No Conn.
KG 5E 900 UD FME	890-960 MHz	FME
KG 5E 900 UD MPL	890-960 MHz	MPL
KG 5E 900 UD TNC	890-960 MHz	TNC
SPECIFICATIONS		
GAIN	5dB	
TYPE	5/8 over 5/8 over 1/2 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	.070, twin enc. coil	
COAX	14 RG-58/U Dual Shield	
BASE SIZE	1.37" x 1.87"	
POWER RATING	100 watts	
MAX HEIGHT	17 3/4"	

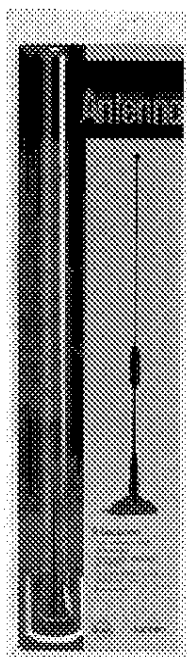
MODEL	FREQUENCY
KG 5E 825 O/S	806-896 MHz
KG 5E 900 O/S	890-960 MHz
SPECIFICATIONS	
GAIN	5dB
TYPE	5/8 over 5/8 over 1/2 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.070, twin enc. coil
BASE SIZE	1.37" x 1.87"
POWER RATING	100 watts
MAX HEIGHT	17 3/4"

MODEL	FREQUENCY	CONNECTOR
KG 825 UD 1/S	806-970 MHz	No Conn.
KG 825 UD 1/S FME	806-970 MHz	FME
SPECIFICATIONS		
COAX	14 RG-58/U Dual Shield	
BASE SIZE	1.37" x 1.87"	
POWER RATING	100 watts	

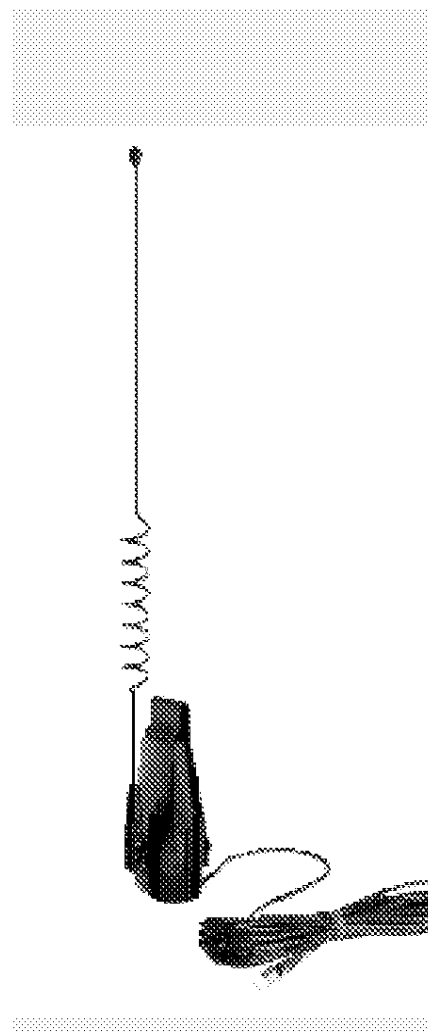
# Mobile Cellular, SMR, Data 800/900 MHz



*Discreet, inside glass mount dipole antenna*



*Retail pack, discreet inside glass mount dipole antenna with connector*



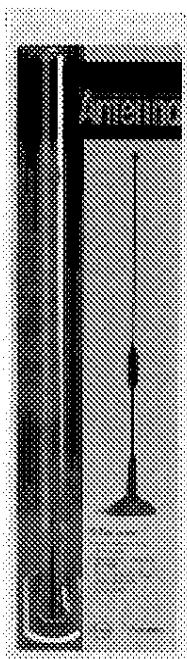
*Window clip open coil antenna*

MODEL	FREQUENCY	CONNECTOR
KGI 825	806-896 MHz	No Conn.
KGI 900	890-960 MHz	No Conn.
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave dipole	
VSWR	1.5:1 or less	
COLOR	Black	
COAX	14' RG-58/U Dual Shield	
BASE SIZE	1.37" x 1.87"	
POWERRATING	100 watts	

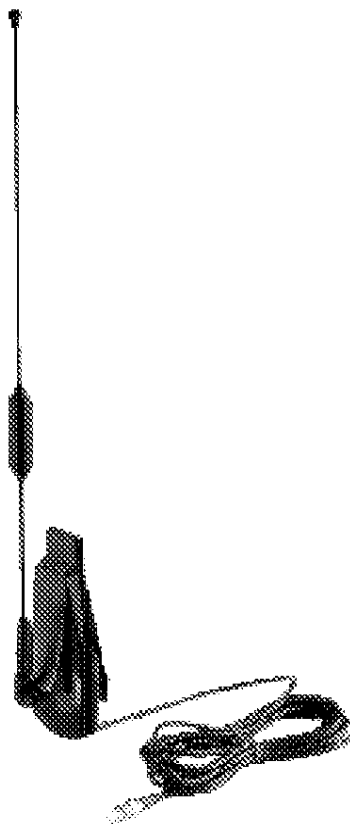
MODEL	FREQUENCY	CONNECTOR
KGI 825 RP	806-896 MHz	FME CRIMP
KGI 825 MPL RP	806-896 MHz	MPL
KGI 825 TNC RP	806-896 MHz	TNC
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave dipole	
VSWR	1.5:1 or less	
COLOR	Black	
COAX	14' RG-58/U Dual Shield	
BASE SIZE	1.37" x 1.87"	
POWERRATING	100 watts	

MODEL	FREQUENCY	CONNECTOR
KGK 825	806-896 MHz	FME
KGK 900	890-960 MHz	FME
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	.070, open coil	
COAX	8' RG-174	
BASE SIZE	3.75"h x 1.75"d x 1.5"w	
POWERRATING	50 watts	
MAX HEIGHT	14.5"	

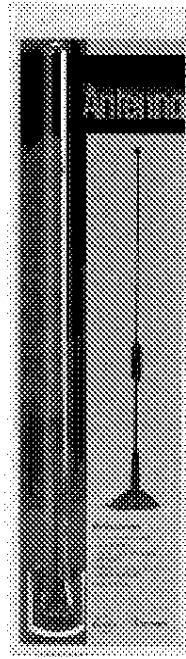
# Mobile Cellular, SMR, Data 800/900 MHz



*Retail pack, window clip open coil antenna with connector*



*SuperFlex window clip enc. coil antenna*



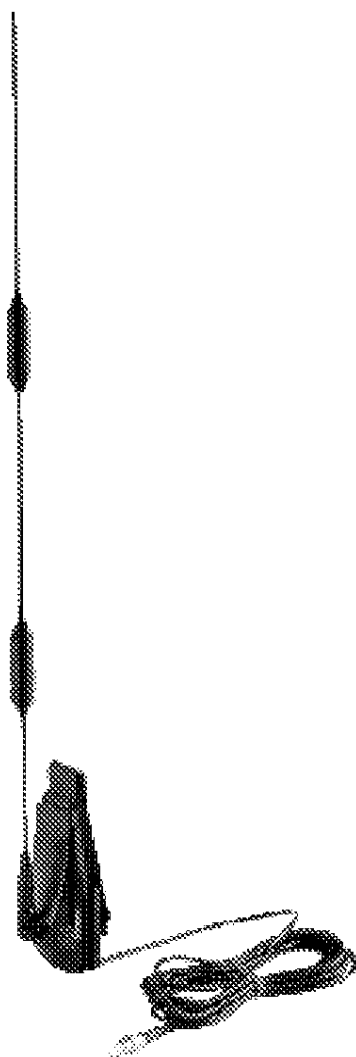
*Retail pack, SuperFlex window clip enc. coil antenna with connector*

MODEL	FREQUENCY	CONNECTOR
KGK 825 RP	806-896 MHz	FME w/ TNC & MPL adapt.
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	.070, open coil	
COAX	8' RG-174	
BASE SIZE	3.75"h x 1.75"d x 1.5"w	
POWERRATING	50 watts	
MAX HEIGHT	14.5"	

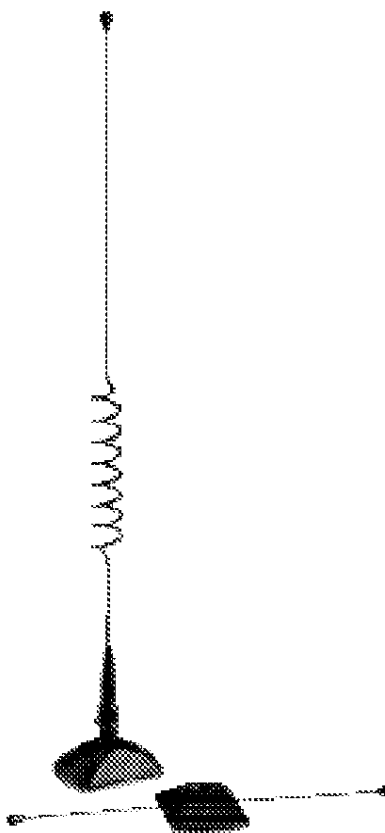
MODEL	FREQUENCY	CONNECTOR
KGK 3E 825	806-896 MHz	FME
KGK 3E 825 MPL	806-896 MHz	MPL
KGK 3E 825 TNC	806-896 MHz	TNC
KGK 3E 900	890-960 MHz	FME
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	.070, enc. coil	
COAX	8' RG-174	
BASE SIZE	3.75"h x 1.75"d x 1.5"w	
POWERRATING	50 watts	
MAX HEIGHT	13"	

MODEL	FREQUENCY	CONNECTOR
KGK 3E 825 RP	806-896 MHz	FME w/ TNC & MPL adapt.
KGK3E825MPL RP	806-896 MHz	MPL
KGK3E825TNC RP	806-896 MHz	TNC
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	.070, enc. coil	
COAX	8' RG-174	
BASE SIZE	3.75"h x 1.75"d x 1.5"w	
POWERRATING	50 watts	
MAX HEIGHT	13" H	

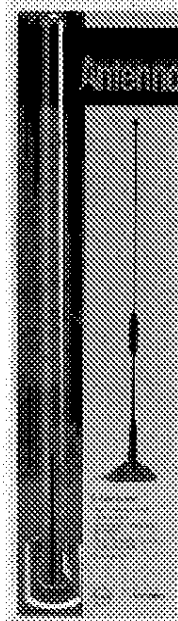
# Mobile Cellular, SMR, Data 800/900 MHz



*High gain, SuperFlex window clip enc. coil antenna with connector*



*Glass mount wireless repeater antenna*



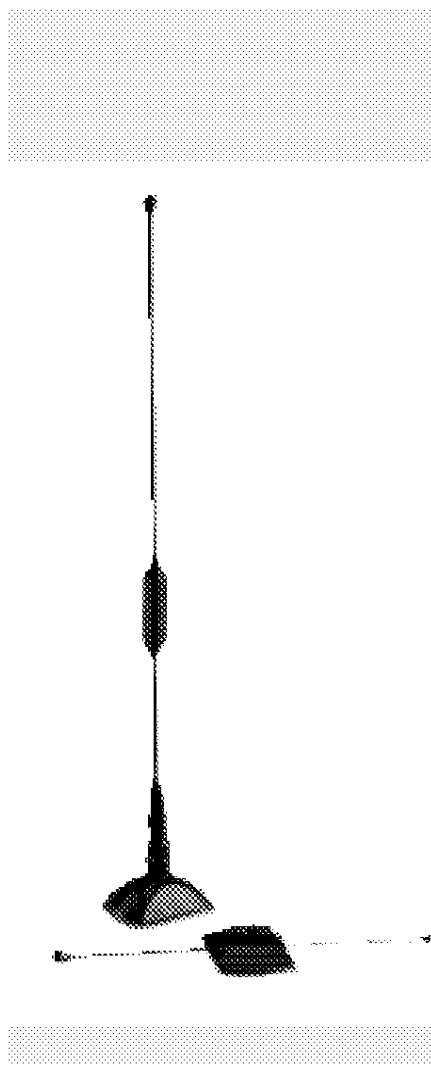
*Retail pack, glass mount wireless repeater antenna*

MODEL	FREQUENCY	CONNECTOR
KGK-SE-825	806-896 MHz	FME
KGK-SE-900	890-960 MHz	FME
SPECIFICATIONS		
GAIN	5dB	
TYPE	5/8 over 5/8 over 1/2 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	.070, twin enc. coil	
COAX	8' RG-174	
BASE SIZE	3.75"h x 1.75"d x 1.5"w	
POWER RATING	50 watts	
MAX HEIGHT	17' 3/4"	

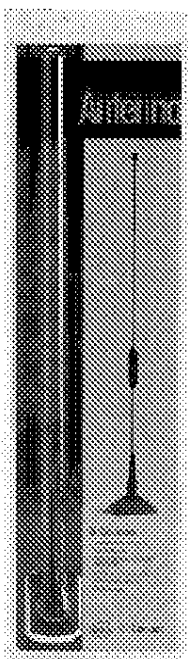
MODEL	FREQUENCY
KGB-825	806-896 MHz
KGB-900	890-960 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 over 1/2 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.070, open coil
COAX	Cordless
BASE SIZE	1.37" x 1.87"
MAX HEIGHT	14.5"

MODEL	FREQUENCY
KGB-825 RP	806-896 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 over 1/2 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.070, open coil
COAX	Cordless
BASE SIZE	1.37" x 1.87"
MAX HEIGHT	14.5"

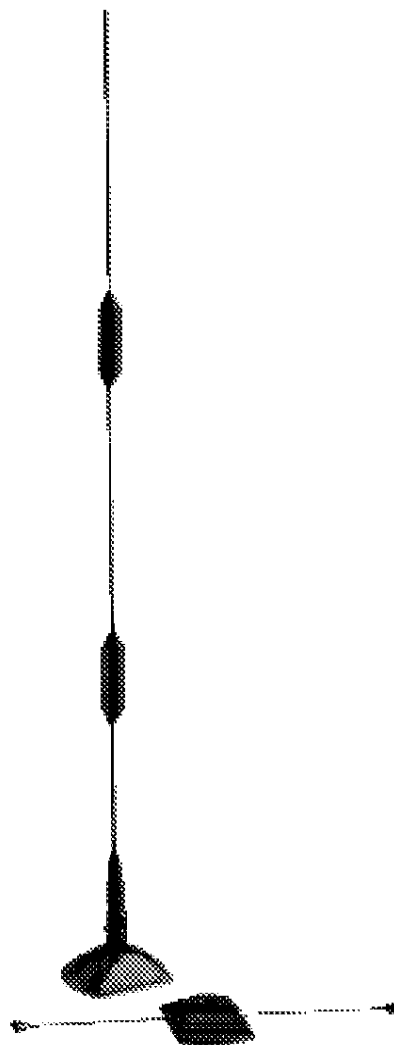
# Mobile Cellular, SMR, Data 800/900 MHz



*Glass mount wireless repeater antenna,  
SuperFlex whip*



*Retail pack, glass mount wireless repeater  
antenna, SuperFlex whip*



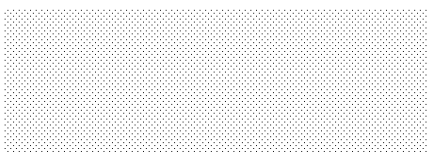
*High gain glass mount wireless repeater  
antenna*

MODEL	FREQUENCY
KGB 3E 825	806-896 MHz
KGB 3E 900	890-960 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 over 1/2 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.070, enc. coil
COAX	Cordless
BASE SIZE	1.37" x 1.87"
MAX HEIGHT	13"

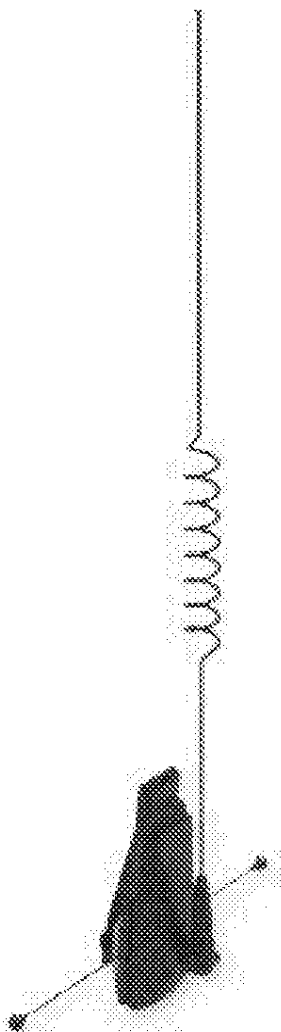
MODEL	FREQUENCY
KGB 3E 825 RP	806-896 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 over 1/2 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.070, enc. coil
COAX	Cordless
BASE SIZE	1.37" x 1.87"
MAX HEIGHT	13"

MODEL	FREQUENCY
KGB 5E 825	806-896 MHz
SPECIFICATIONS	
GAIN	5dB
TYPE	5/8 over 5/8 over 1/2 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.070, twin enc. coil
COAX	Cordless
BASE SIZE	1.37" x 1.87"
MAX HEIGHT	17 3/4"

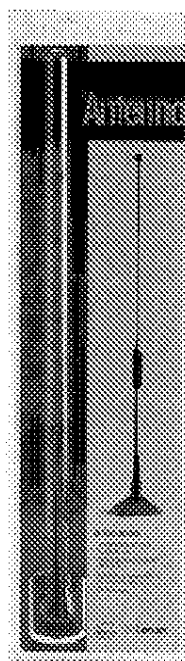
# Mobile Cellular, SMR, Data 800/900 MHz



*Inside dipole antenna for KG repeater antennas*



*Window clip wireless repeater antenna*



*Retail pack, window clip wireless repeater antenna*

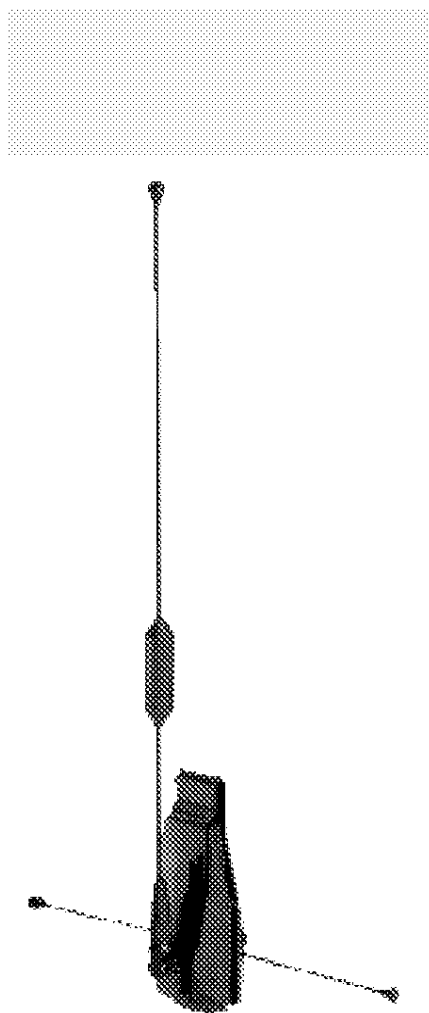
MODEL	FREQUENCY
KGB 825 1/5	806-970 MHz
SPECIFICATIONS	
BASE SIZE	1.37" x 1.87"

MODEL	FREQUENCY
KGBK 825	806-896 MHz
KGBK 900	890-960 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 over 1/2 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.070, open coil
COAX	Cordless
BASE SIZE	3.75"h x 1.75"d x 1.5"w
MAX HEIGHT	14.5"

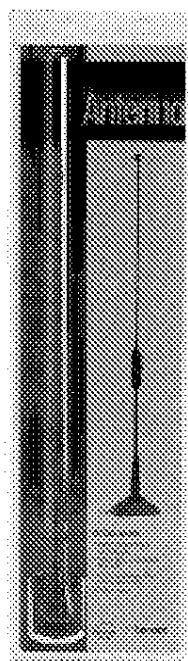
MODEL	FREQUENCY
KGBK 825 RP	806-896 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 over 1/2 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.070, open coil
COAX	Cordless
BASE SIZE	3.75"h x 1.75"d x 1.5"w
MAX HEIGHT	14.5"



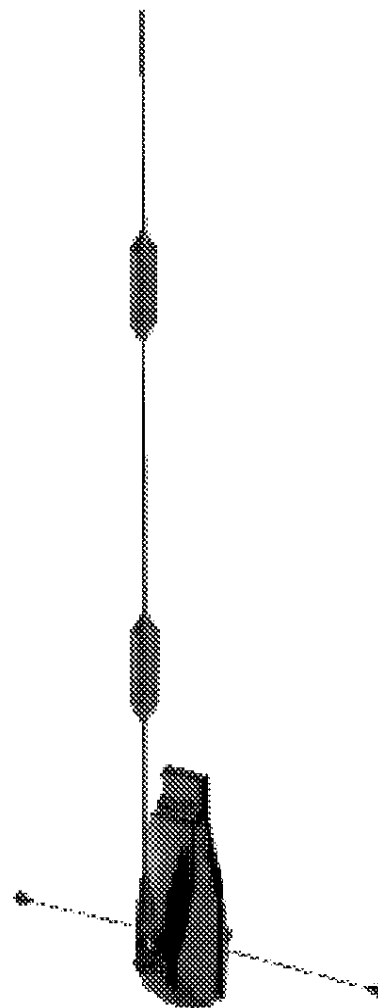
# Mobile Cellular, SMR, Data 800/900 MHz



*SuperFlex window clip wireless repeater antenna*



*SuperFlex window clip wireless repeater antenna*



*High gain, SuperFlex window clip wireless repeater antenna*

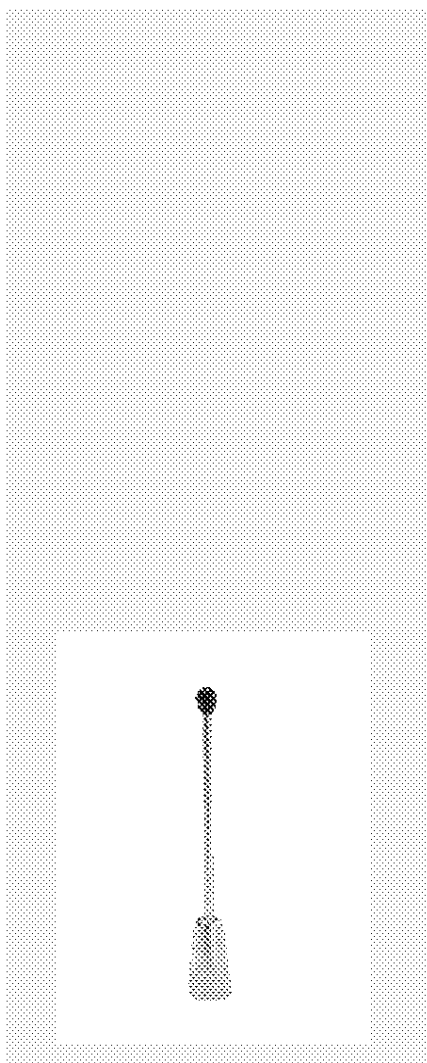
MODEL	FREQUENCY
KGBK 3E 825	806-896 MHz
KGBK 3E 900	890-960 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 over 1/2 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.070, enc. coil
COAX	Cordless
BASE SIZE	3.75"h x 1.75"d x 1.5"w
MAX HEIGHT	13"

MODEL	FREQUENCY
KGBK 3E 825 RP	806-896 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 over 1/2 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.070, enc. coil
COAX	Cordless
BASE SIZE	3.75"h x 1.75"d x 1.5"w
MAX HEIGHT	13"

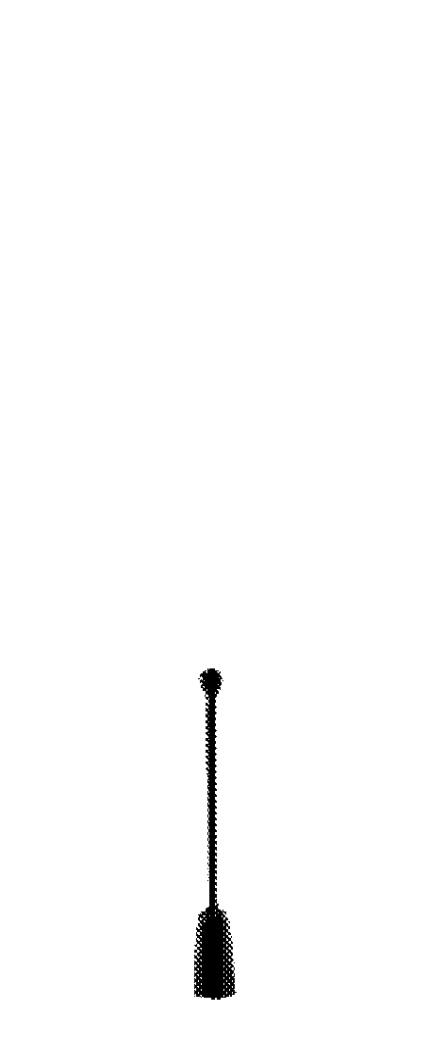
MODEL	FREQUENCY
KGBK 5E 825	806-896 MHz
KGBK 5E 900	890-960 MHz
SPECIFICATIONS	
GAIN	5dB
TYPE	5/8 over 5/8 over 1/2 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.070, twin enc. coil
COAX	Cordless
BASE SIZE	3.75"h x 1.75"d x 1.5"w
MAX HEIGHT	17 3/4"



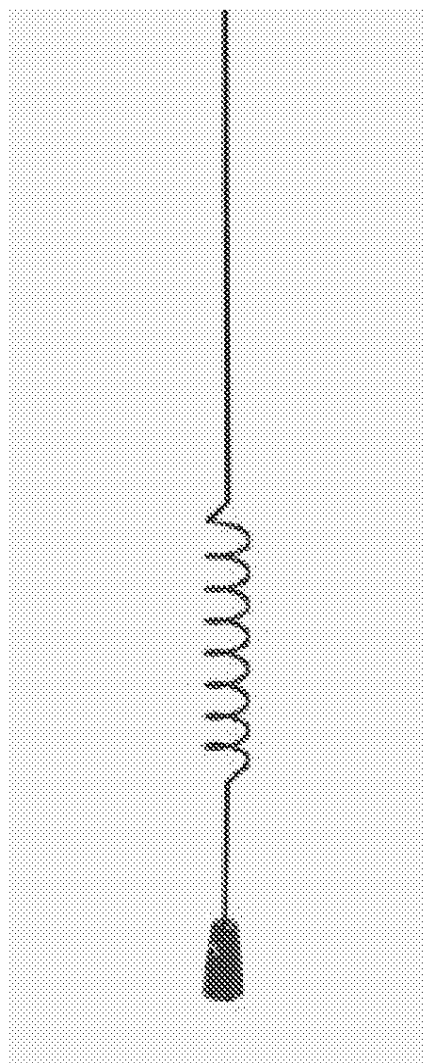
# Mobile Cellular, SMR, Data 800/900 MHz



*"Q" series unity gain antenna for LM mounts*



*Black "Q" unity gain antenna for LM mounts*



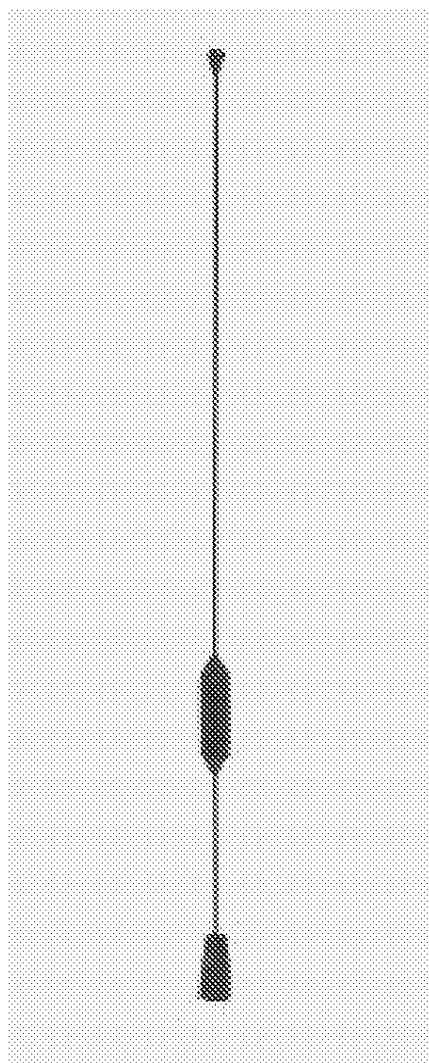
*LM series open coil gain antenna for*

MODEL	FREQUENCY
Q 800	806-866 MHz
Q 900	890-960 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	1/4 wave
VSWR	1.5:1 or less tx
COLOR	Chrome
WHIP	100, spike
POWERRATING	200 watts
MAX HEIGHT	3 1/2"

MODEL	FREQUENCY
Q 800 B	806-866 MHz
Q 900 B	890-960 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	1/4 wave
VSWR	1.5:1 or less tx
COLOR	Black
WHIP	100, spike
POWERRATING	200 watts
MAX HEIGHT	3 1/2"

MODEL	FREQUENCY
LM 3 800 B	806-866 MHz
LM 3 825 B	825-896 MHz
LM 3 900 B	890-960 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 over 1/4 wave
VSWR	1.5:1 or less tx
COLOR	Black
WHIP	.070, open coil
POWERRATING	200 watts
MAX HEIGHT	13"

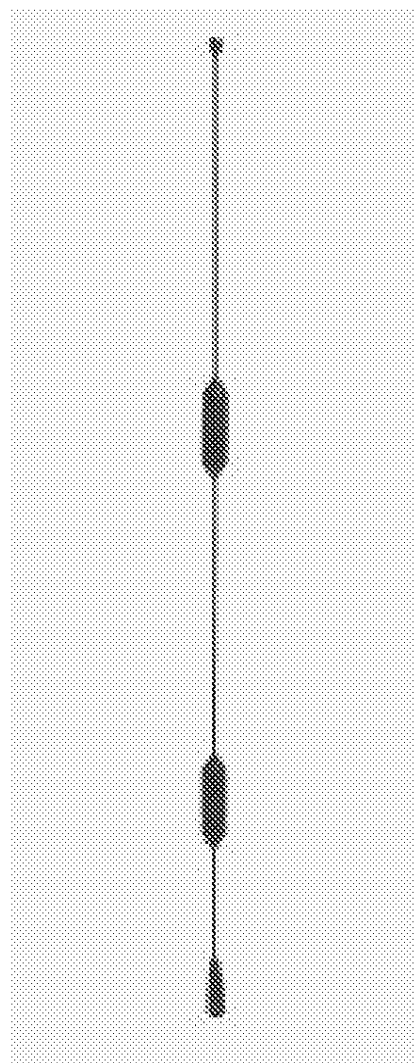
# Mobile Cellular, SMR, Data 800/900 MHz



*LM enclosed coil gain antenna*



*High gain LM twin open coil antenna*



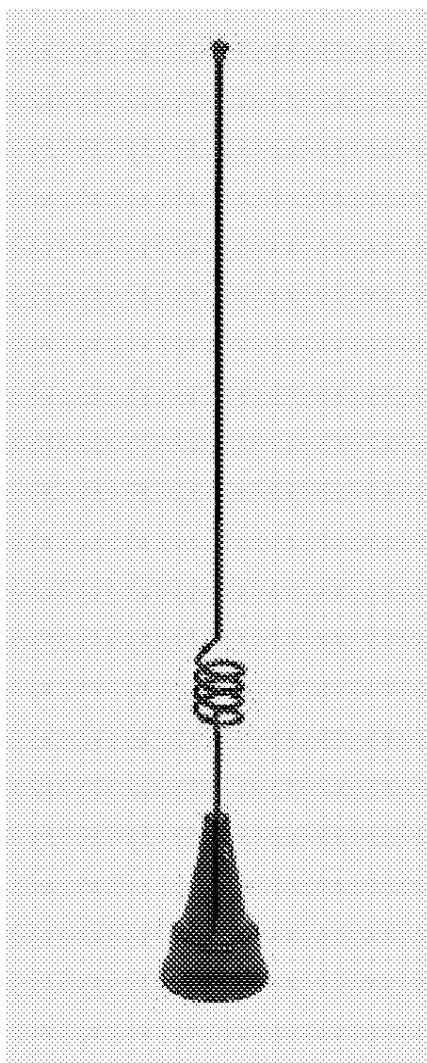
*High gain LM twin SuperFlex enc. coil antenna*

MODEL	FREQUENCY
LM-3E 800-B	806-866 MHz
LM-3E 825-B	825-896 MHz
LM-3E 900-B	890-960 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 over 1/4 wave
VSWR	1.5:1 or less tx
COLOR	Black
WHIP	.070, enclosed coil
POWER RATING	200 watts
MAX HEIGHT	13"

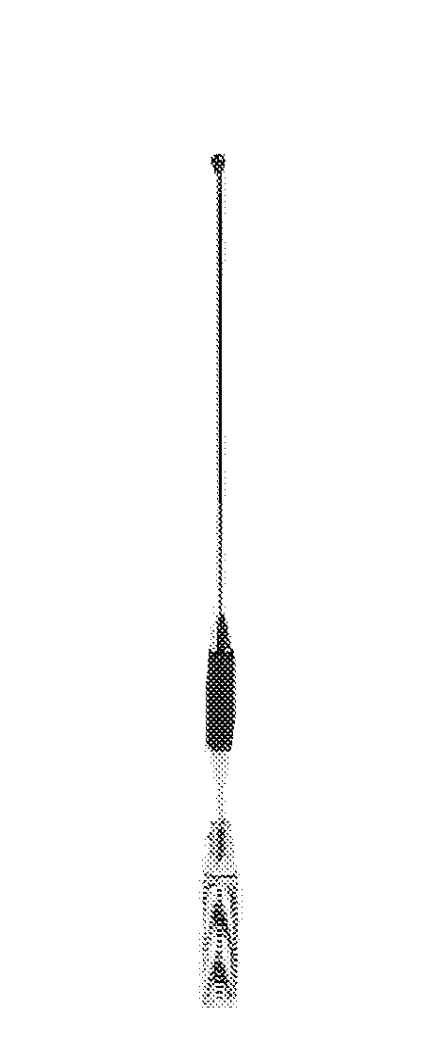
MODEL	FREQUENCY
LM-5T 800-B	806-866 MHz
LM-5T 825-B	825-896 MHz
LM-5T 900-B	890-960 MHz
SPECIFICATIONS	
GAIN	5dB
TYPE	5/8 over 5/8 over 1/4 wave
VSWR	1.5:1 or less tx
COLOR	Black
WHIP	.100, twin open coil
POWER RATING	200 watts
MAX HEIGHT	18"

MODEL	FREQUENCY
LM-5E 800-B	806-866 MHz
LM-5E 825-B	825-896 MHz
LM-5E 900-B	890-960 MHz
SPECIFICATIONS	
GAIN	5dB
TYPE	5/8 over 5/8 over 1/4 wave
VSWR	1.5:1 or less tx
COLOR	Black
WHIP	.070, twin enc. coil
POWER RATING	200 watts
MAX HEIGHT	16 1/4"

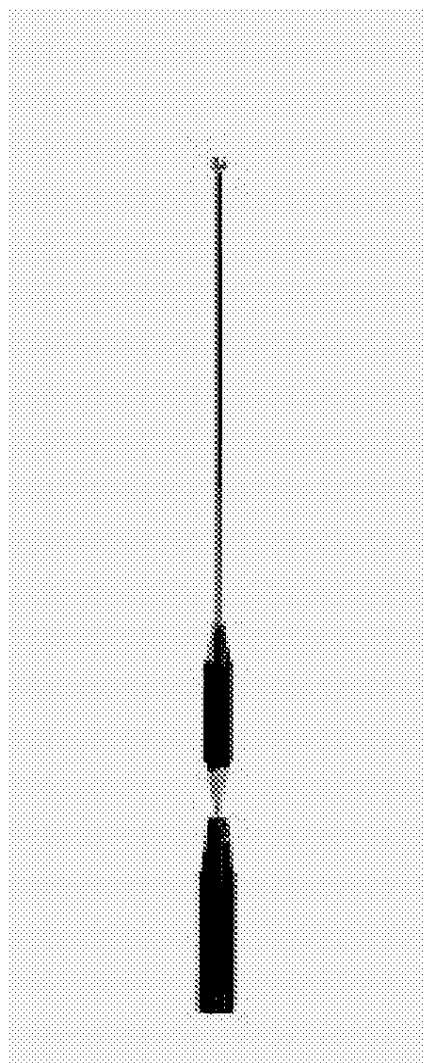
# Mobile Cellular, SMR, Data 800/900 MHz



*Heavy duty cone base open coil gain antenna for LM mounts*



*Spring base enclosed coil gain antenna for LM mounts*



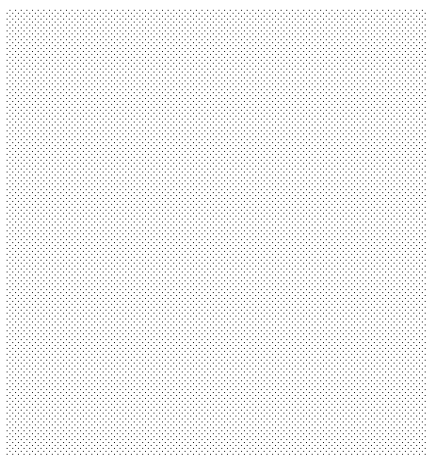
*Black spring base enclosed coil gain antenna for LM mounts*

MODEL	FREQUENCY
CM 806 B	806-866 MHz
CM 825 B	825-896 MHz
CM 900 B	890-960 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 over 1/4 wave
VSWR	1.5:1 or less tx
COLOR	Black
WHIP	.100, open coil
POWERRATING	200 watts
MAX HEIGHT	13 1/2"

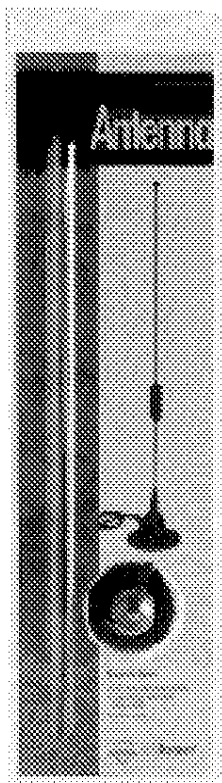
MODEL	FREQUENCY
LM 800	806-866 MHz
LM 825	825-896 MHz
LM 900	890-960 MHz
SPECIFICATIONS	
GAIN	4.5dB
TYPE	5/8 over 1/2 wave
VSWR	1.5:1 or less tx
COLOR	Chrome
WHIP	.100, enc. coil
POWERRATING	200 watts
MAX HEIGHT	14 1/2"

MODEL	FREQUENCY
LM 800 B	806-866 MHz
LM 825 B	825-896 MHz
LM 900 B	890-960 MHz
SPECIFICATIONS	
GAIN	4.5dB
TYPE	5/8 over 1/2 wave
VSWR	1.5:1 or less tx
COLOR	Chrome & black
WHIP	.100, enc. coil
POWERRATING	200 watts
MAX HEIGHT	14 1/2"

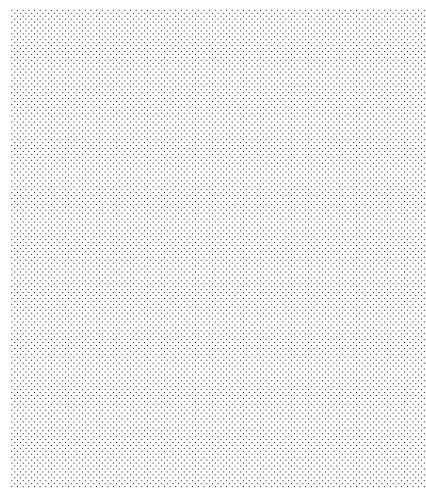
# Mobile Cellular, SMR, Data 800/900 MHz



*Unity micro mag mount antenna w/cable and connector*



*Retail pack unity micro mag mount antenna w/cable and connector*



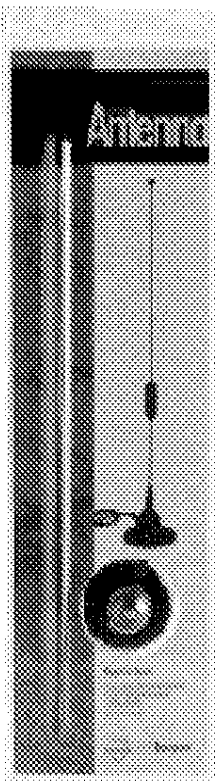
*Unity mini mag mount antenna w/cable and connector*

MODEL	FREQUENCY	CONNECTOR
MIU800FME	806-896 MHz	FME
MIU800MPL	806-896 MHz	MPL
MIU800TNC	806-896 MHz	TNC
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less tx	
COLOR	Black	
WHIP	Molded	
COAX	10' RG-174	
BASE SIZE	1 1/4"	
POWER RATING	50 watts	
MAX HEIGHT	4"	

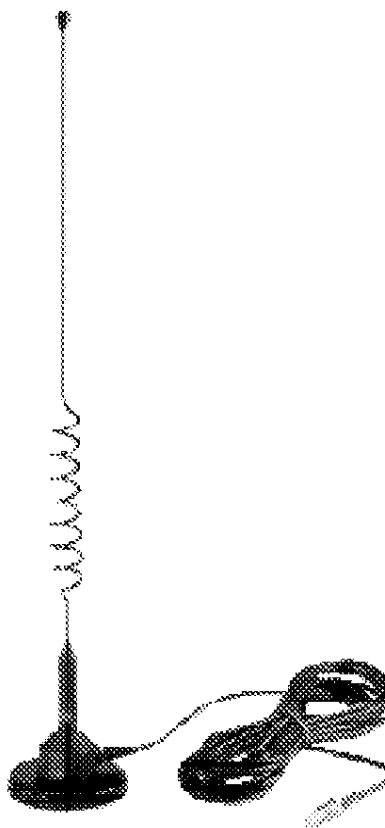
MODEL	FREQUENCY	CONNECTOR
MIU800FME RP	806-896 MHz	FME
MIU800MPL RP	806-896 MHz	MPL
MIU800TNC RP	806-896 MHz	TNC
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less tx	
COLOR	Black	
WHIP	Molded	
COAX	10' RG-174	
BASE SIZE	1 1/4"	
POWER RATING	50 watts	
MAX HEIGHT	4"	

MODEL	FREQUENCY	CONNECTOR
MS U 800 FME	806-896 MHz	FME
MS U 800 MPL	806-896 MHz	MPL
MS U 800 TNC	806-896 MHz	TNC
MS U 900 FME	890-960 MHz	FME
MS U 900 MPL	890-960 MHz	MPL
MS U 900 TNC	890-960 MHz	TNC
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less tx	
COLOR	Black	
WHIP	.070, spike	
COAX	12' RG-174	
BASE SIZE	2"	
POWER RATING	50 watts	
PULL STRENGTH	18#	
MAX HEIGHT	4"	

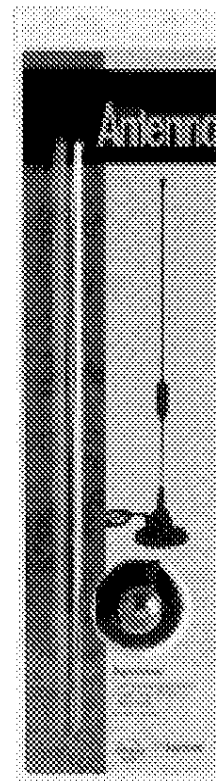
# Mobile Cellular, SMR, Data 800/900 MHz



*Retail pack unity mini mag mount antenna  
w/cable and connector*



*Mini mag mount open coil gain antenna  
w/cable and connector*



*Retail pack mini mag mount open coil gain  
antenna w/cable and connector*

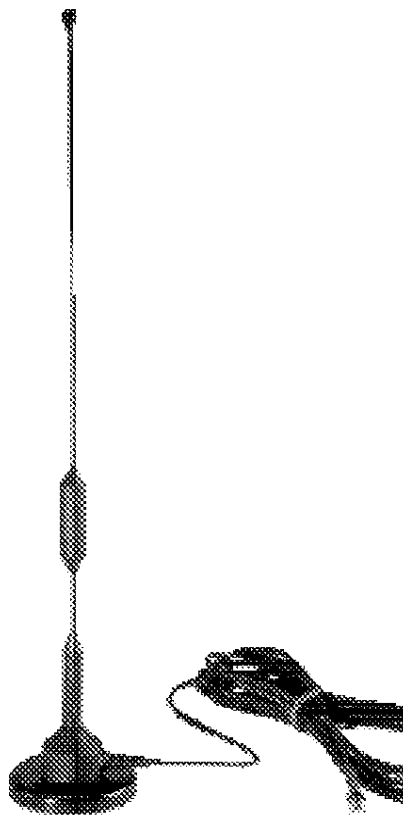
MODEL	FREQUENCY	CONNECTOR
MS U-800 FME RP	806-896 MHz	FME w/TNC & MPL adapt.
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less tx	
COLOR	Black	
WHIP	.070, spike	
COAX	12' RG-174	
BASE SIZE	2"	
POWER RATING	50 watts	
PULL STRENGTH	18#	
MAX HEIGHT	4"	

MODEL	FREQUENCY	CONNECTOR
MS 3-800 FME	806-896 MHz	FME
MS 3-800 MPL	806-896 MHz	MPL
MS 3-800 TNC	806-896 MHz	TNC
MS 3-900 FME	890-960 MHz	FME
MS 3-900 MPL	890-960 MHz	MPL
MS 3-900 TNC	890-960 MHz	TNC
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less tx	
COLOR	Black	
WHIP	.070, open coil	
COAX	12' RG-174	
BASE SIZE	2"	
POWER RATING	50 watts	
PULL STRENGTH	18#	
MAX HEIGHT	14"	

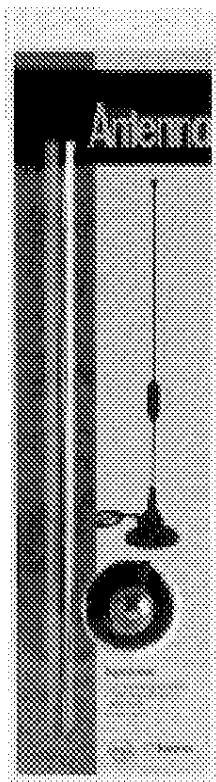
MODEL	FREQUENCY	CONNECTOR
MS 3-800 FME RP	806-896 MHz	FME w/TNC & MPL adapt.
MS 3-800 MPL RP	806-896 MHz	MPL
MS 3-800 TNC RP	806-896 MHz	TNC
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less tx	
COLOR	Black	
WHIP	.070, open coil	
COAX	12' RG-174	
BASE SIZE	2"	
POWER RATING	50 watts	
PULL STRENGTH	18#	
MAX HEIGHT	14"	



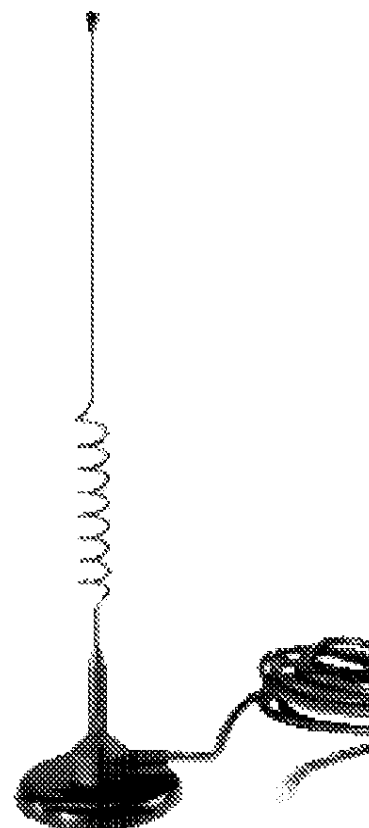
# Mobile Cellular, SMR, Data 800/900 MHz



*Enclosed coil mini mag mount gain antenna w/cable and connector*



*Retail pack enclosed coil mini mag mount gain antenna w/cable and connector*



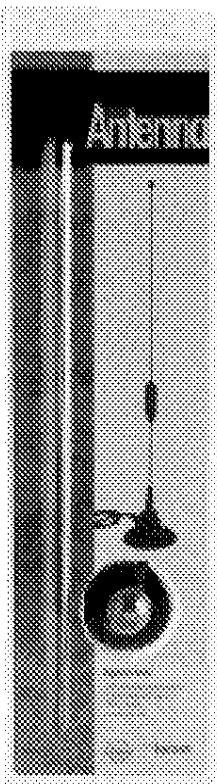
*Medium mag mount open coil gain antenna w/cable and connector*

MODEL	FREQUENCY	CONNECTOR
MS 3E 800 FME	806-896 MHz	FME
MS 3E 800 MPL	806-896 MHz	MPL
MS 3E 800 TNC	806-896 MHz	TNC
MS 3E 900 FME	890-960 MHz	FME
MS 3E 900 MPL	890-960 MHz	MPL
MS 3E 900 TNC	890-960 MHz	TNC
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less tx	
COLOR	Black	
WHIP	.070, enc. coil	
COAX	12" RG-174	
BASE SIZE	2"	
POWER RATING	50 watts	
PULL STRENGTH	18#	
MAX HEIGHT	13"	

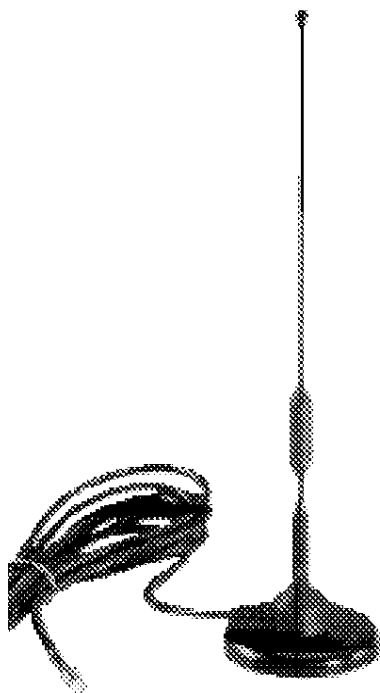
MODEL	FREQUENCY	CONNECTOR
MS 3E 800 FME RP	806-896 MHz	FME w/TNC & MPL adapt.
MS 3E 800 MPL RP	806-896 MHz	MPL
MS 3E 800 TNC RP	806-896 MHz	TNC
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less tx	
COLOR	Black	
WHIP	.070, enc. coil	
COAX	12" RG-174	
BASE SIZE	2"	
POWER RATING	50 watts	
PULL STRENGTH	18#	
MAX HEIGHT	13	

MODEL	FREQUENCY	CONNECTOR
MM 3 800 FME	806-896 MHz	FME
MM 3 800 MPL	806-896 MHz	MPL
MM 3 800 TNC	806-896 MHz	TNC
MM 3 900 FME	890-960 MHz	FME
MM 3 900 MPL	890-960 MHz	MPL
MM 3 900 TNC	890-960 MHz	TNC
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less tx	
COLOR	Black	
WHIP	.070, open coil	
COAX	12" RG-58A/U Dual Shield	
BASE SIZE	3"	
POWER RATING	200 watts	
PULL STRENGTH	54#	
MAX HEIGHT	14"	

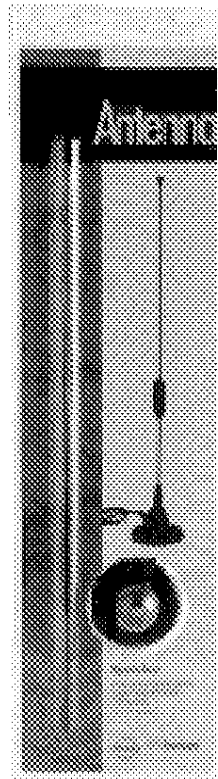
# Mobile Cellular, SMR, Data 800/900 MHz



*Retail pack medium mag mount open coil gain antenna w/cable and connector*



*Medium mag mount enclosed coil gain antenna w/cable and connector*



*Retail pack medium mag mount enclosed coil gain antenna w/cable and connector*

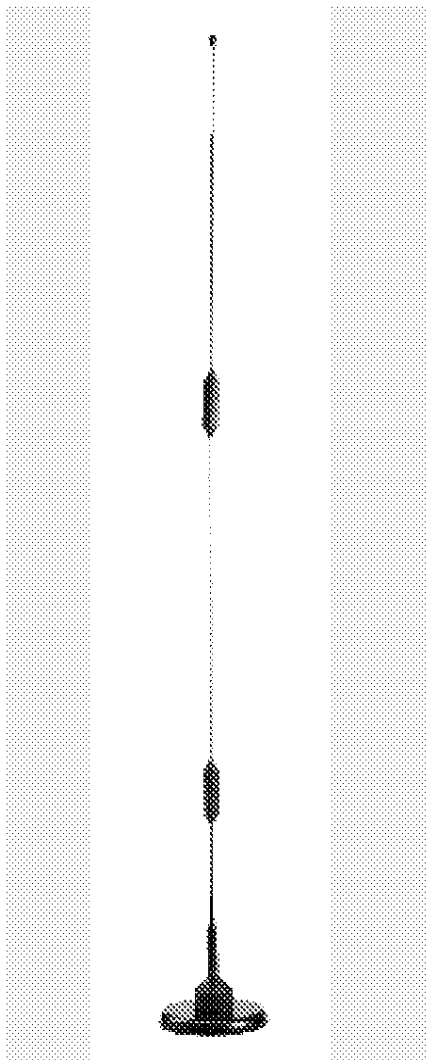
MODEL	FREQUENCY	CONNECTOR
MM 3 800 FME RP	806-896 MHz	FME w/TNC, MPL adapt.
MM 3 800 MPL RP	806-896 MHz	MPL
MM 3 800 TNC RP	806-896 MHz	TNC
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less tx	
COLOR	Black	
WHIP	.070, open coil	
COAX	12' RG-58A/U Dual Shield	
BASE SIZE	3"	
POWER RATING	200 watts	
PULL STRENGTH	54#	
MAX HEIGHT	14"	

MODEL	FREQUENCY	CONNECTOR
MM 3E 800 FME	806-896 MHz	FME
MM 3E 800 MPL	806-896 MHz	MPL
MM 3E 800 TNC	806-896 MHz	TNC
MM 3E 900 FME	890-960 MHz	FME
MM 3E 900 MPL	890-960 MHz	MPL
MM 3E 900 TNC	890-960 MHz	TNC
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less tx	
COLOR	Black	
WHIP	.070, enc. coil	
COAX	12' RG-58A/U Dual Shield	
BASE SIZE	3"	
POWER RATING	200 watts	
PULL STRENGTH	54#	
MAX HEIGHT	13"	

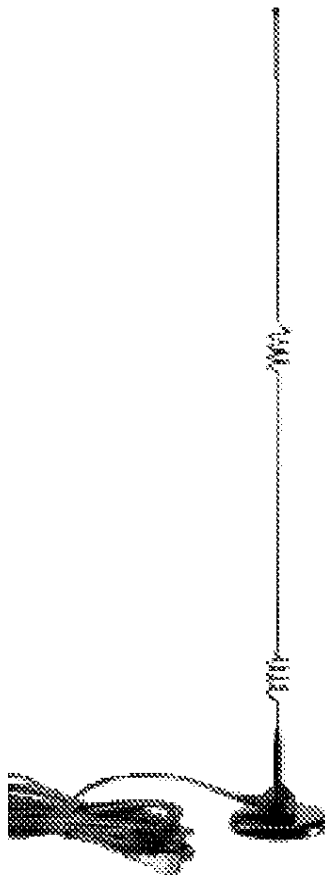
MODEL	FREQUENCY	CONNECTOR
MM 3E 800 FME RP	806-896 MHz	FME w/TNC, MPL adapt.
MM 3E 800 MPL RP	806-896 MHz	MPL
MM 3E 800 TNC RP	806-896 MHz	TNC
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less tx	
COLOR	Black	
WHIP	.070, enc. coil	
COAX	12' RG-58A/U Dual Shield	
BASE SIZE	3"	
POWER RATING	200 watts	
PULL STRENGTH	54#	
MAX HEIGHT	13"	



# Mobile Cellular, SMR, Data 800/900 MHz



*High gain twin enclosed coil medium mag mount antenna w/cable and connector*



*High gain twin open coil medium mag mount antenna w/cable and connector*



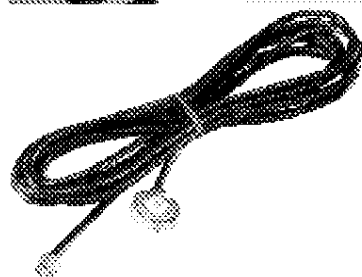
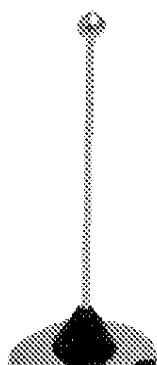
*Chrome unity low profile antenna*

MODEL	FREQUENCY	CONNECTOR
MM-SE 800 FME	806-866 MHz	FME
MM-SE 825 FME	824-896 MHz	FME
MM-SE 900 FME	890-960 MHz	FME
SPECIFICATIONS		
GAIN	5dB	
TYPE	5/8 over 5/8 over 1/4 wave	
VSWR	1.5:1 or less tx	
COLOR	Black	
WHIP	.070, twin enc. coil	
COAX	12" RG-58A/U Dual Shield	
BASE SIZE	3"	
POWER RATING	200 watts	
PULL STRENGTH	54#	
MAX HEIGHT	16 1/2"	

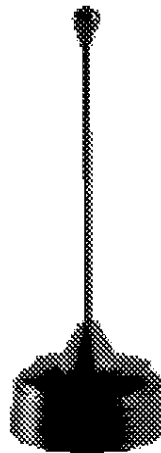
MODEL	FREQUENCY	CONNECTOR
MM-ST 800 FME	806-866 MHz	FME
MM-ST 825 FME	824-896 MHz	FME
MM-ST 900 FME	890-960 MHz	FME
SPECIFICATIONS		
GAIN	5dB	
TYPE	5/8 over 5/8 over 1/4 wave	
VSWR	1.5:1 or less tx	
COLOR	Black	
WHIP	.100, twin open coil	
COAX	12" RG-58A/U Dual Shield	
BASE SIZE	3"	
POWER RATING	200 watts	
PULL STRENGTH	54#	
MAX HEIGHT	18"	

MODEL	FREQUENCY
NMOQ-SPEC 800	806-866 MHz
NMOQ-SPEC 825	825-896 MHz
NMOQ-SPEC 900	890-960 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	1/4 wave
VSWR	1.5:1 or less
COLOR	Chrome
WHIP	.070, spike
COAX	Order separately
BASE SIZE	1 5/8"
POWER RATING	200 watts
MAX HEIGHT	4"

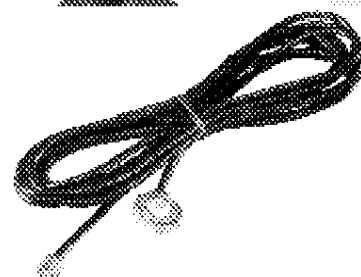
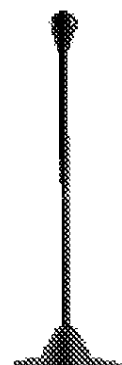
# Mobile Cellular, SMR, Data 800/900 MHz



*Complete chrome unity low profile antenna kit  
w/cable and connector*



*Unity low profile antenna*



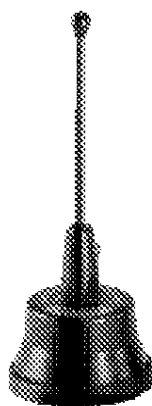
*Complete unity low profile antenna kit  
w/cable and connector*

MODEL	FREQUENCY	CONNECTOR
NMQQSPEC800MPL	806-866 MHz	MPL
NMQQSPEC800TNC	806-866 MHz	TNC
NMQQSPEC825MPL	825-896 MHz	MPL
NMQQSPEC825TNC	825-896 MHz	TNC
NMQQSPEC900MPL	890-960 MHz	MPL
NMQQSPEC900TNC	890-960 MHz	TNC
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less	
COLOR	Chrome	
WHIP	.070, spike	
COAX	17' RG-58/U Dual Shield	
BASE SIZE	1-5/8"	
POWER RATING	200 watts	
MAX HEIGHT	4"	

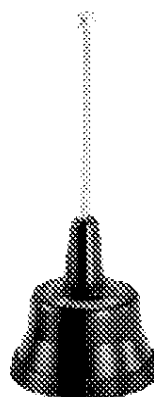
MODEL	FREQUENCY
NMQQSPEC800B	806-866 MHz
NMQQSPEC825B	825-896 MHz
NMQQSPEC900B	890-960 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	1/4 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.070, spike
COAX	Order separately
BASE SIZE	1-5/8"
POWER RATING	200 watts
MAX HEIGHT	4"

MODEL	FREQUENCY	CONNECTOR
NMQQSPEC800BMPL	806-866 MHz	MPL
NMQQSPEC800BTNC	806-866 MHz	TNC
NMQQSPEC825BMPL	825-896 MHz	MPL
NMQQSPEC825BTNC	825-896 MHz	TNC
NMQQSPEC900BMPL	890-960 MHz	MPL
NMQQSPEC900BTNC	890-960 MHz	TNC
SPECIFICATIONS		
GAIN	Unity	
TYPE	1/4 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	.070, spike	
COAX	17' RG-58/U Dual Shield	
BASE SIZE	1-5/8"	
POWER RATING	150 watts	
MAX HEIGHT	4"	

# Mobile Cellular, SMR, Data 800/900 MHz



*NMO 1/4 wave antenna, black base, chrome whip*



*NMO 1/4 wave antenna, black base and whip*



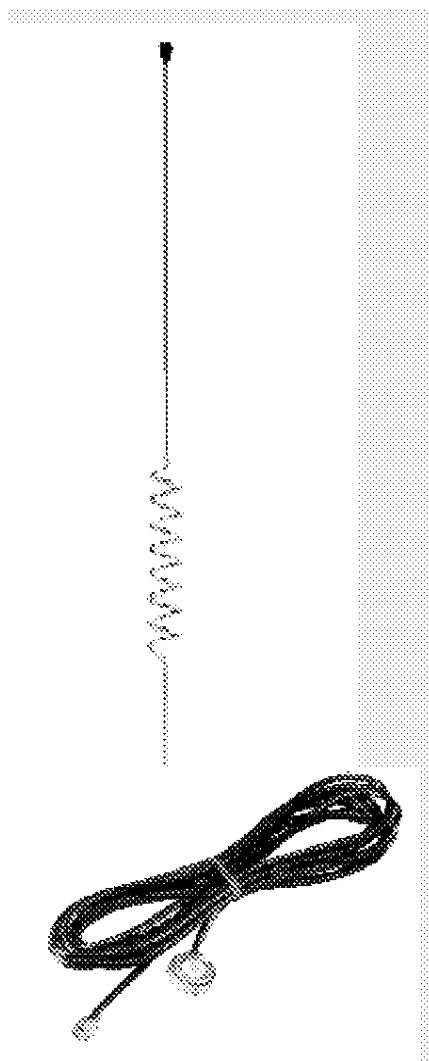
*Chrome 3dB open coil antenna, low profile base*

MODEL	FREQUENCY
NMOQ 800 C	806-866 MHz
NMOQ 900 C	890-960 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	1/4 wave
VSWR	1.5:1 or less
COLOR	Black/Chrome
WHIP	.100, spike
COAX	Order separately
BASE SIZE	1-5/8"
POWERRATING	200 watts
MAX HEIGHT	4 1/2"

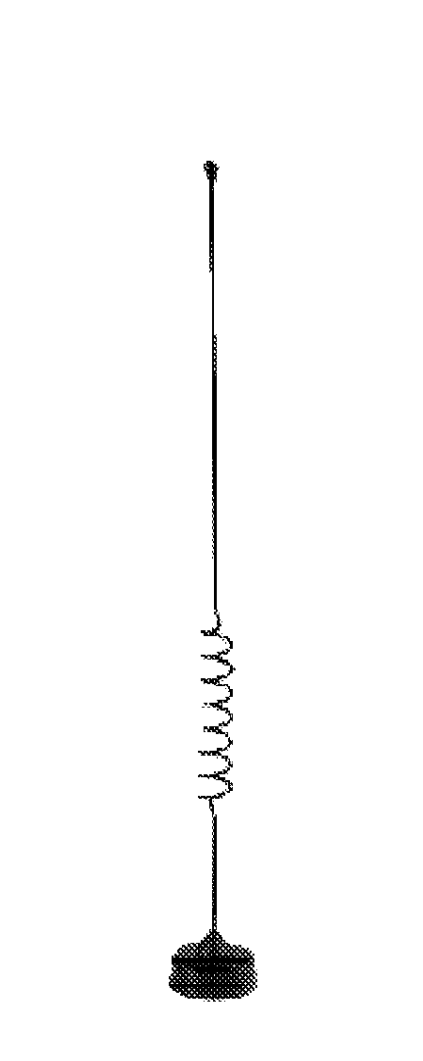
MODEL	FREQUENCY
NMOQ 800 B	806-896 MHz
NMOQ 900 B	890-960 MHz
SPECIFICATIONS	
GAIN	Unity
TYPE	1/4 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.100, spike
COAX	Order separately
BASE SIZE	1-5/8"
POWERRATING	200 watts
MAX HEIGHT	4 1/2"

MODEL	FREQUENCY
NMO SPEC 800	806-866 MHz
NMO SPEC 825	825-896 MHz
NMO SPEC 800	890-960 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 over 1/4 wave
VSWR	1.5:1 or less
COLOR	Chrome
WHIP	.070, open coil
COAX	Order separately
BASE SIZE	1-5/8"
POWERRATING	200 watts
MAX HEIGHT	13 1/2"

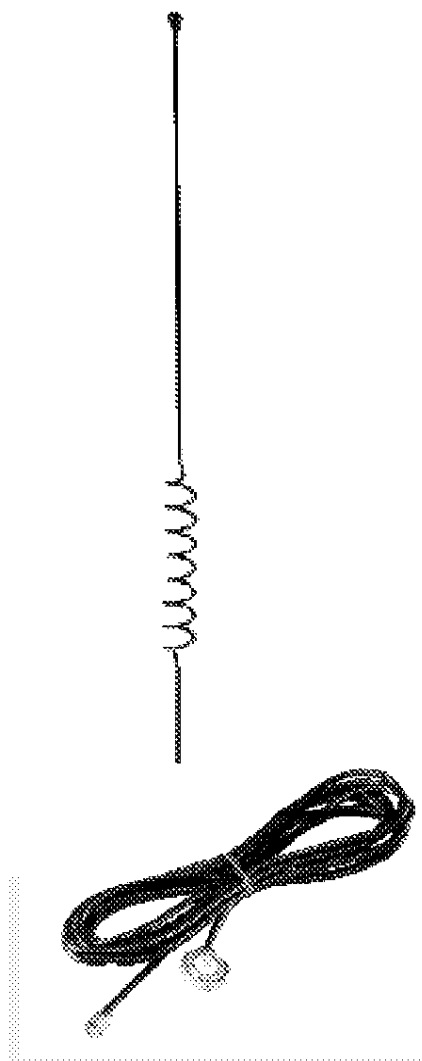
# Mobile Cellular, SMR, Data 800/900 MHz



Complete 3dB open coil antenna, low profile base w/cable and connector



3dB open coil antenna, low profile base



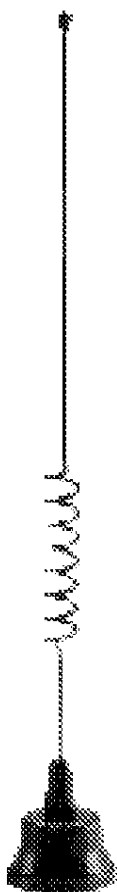
Complete 3dB open coil antenna, low profile base w/cable and connector

MODEL	FREQUENCY	CONNECTOR
NMOSPEC800MPL	806-866 MHz	MPL
NMOSPEC800TNC	806-866 MHz	TNC
NMOSPEC825MPL	825-896 MHz	MPL
NMOSPEC825TNC	825-896 MHz	TNC
NMOSPEC900MPL	890-960 MHz	MPL
NMOSPEC900TNC	890-960 MHz	TNC
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/4 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	.070, open coil	
COAX	17' RG-58/U	
BASE SIZE	1.5/8"	
POWER RATING	200 watts	
MAX HEIGHT	13 1/2"	

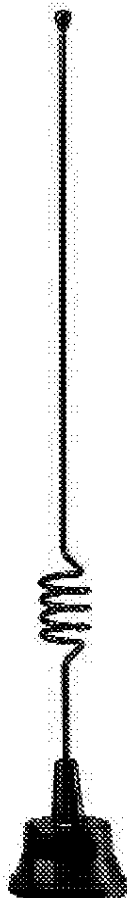
MODEL	FREQUENCY
NMO SPEC 800-B	806-866 MHz
NMO SPEC 825-B	825-896 MHz
NMO SPEC 900-B	890-960 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 over 1/4 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.070, open coil
COAX	Order separately
BASE SIZE	1.5/8"
POWER RATING	200 watts
MAX HEIGHT	13 1/2"

MODEL	FREQUENCY	CONNECTOR
NMOSPEC800B-MPL	806-866 MHz	MPL
NMOSPEC800B-TNC	806-866 MHz	TNC
NMOSPEC825B-MPL	825-896 MHz	MPL
NMOSPEC825B-TNC	825-896 MHz	TNC
NMOSPEC900B-MPL	890-960 MHz	MPL
NMOSPEC900B-TNC	890-960 MHz	TNC
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/4 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	.070, open coil	
COAX	17' RG-58/U	
BASE SIZE	1.5/8"	
POWER RATING	200 watts	
MAX HEIGHT	13 1/2"	

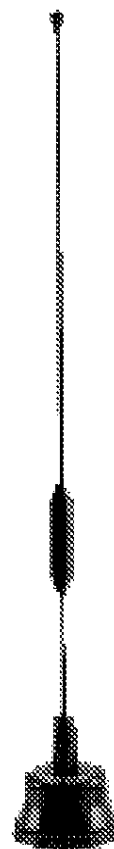
# Mobile Cellular, SMR, Data 800/900 MHz



*3dB open coil antenna, standard NMO base*



*3dB open coil antenna, standard NMO base,  
heavy duty whip*



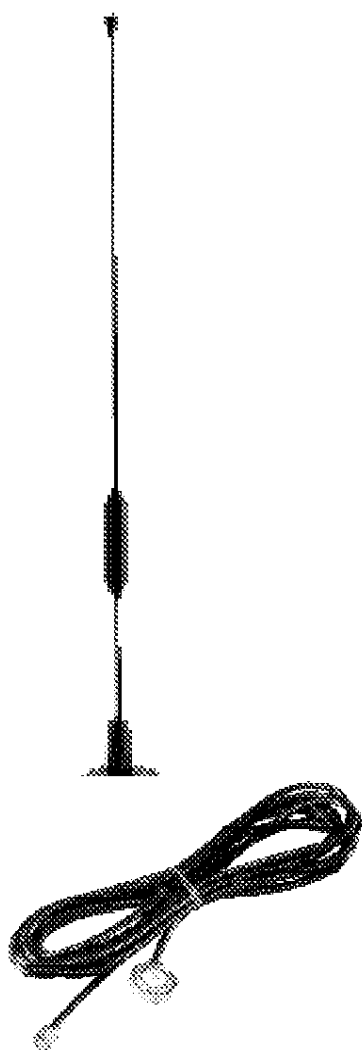
*3dB SuperFlex enc. coil antenna, standard NMO  
base*

MODEL	FREQUENCY
NMO 3 800 B	806-866 MHz
NMO 3 825 B	825-896 MHz
NMO 3 900 B	890-960 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 over 1/4 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.070, open coil
COAX	Order separately
BASE SIZE	1-5/8"
POWERRATING	200 watts
MAX HEIGHT	13 3/4"

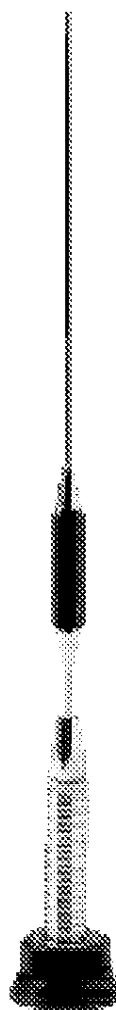
MODEL	FREQUENCY
NMO3HD800B	806-866 MHz
NMO3HD825B	824-896 MHz
NMO3HD900B	890-960 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 over 1/4 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.100, open coil
COAX	Order separately
BASE SIZE	1-5/8"
POWERRATING	200 watts
MAX HEIGHT	13 3/4"

MODEL	FREQUENCY
NMO 3E 800 B	806-866 MHz
NMO 3E 825 B	825-896 MHz
NMO 3E 900 B	890-960 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 over 1/4 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.070, enc. coil
COAX	Order separately
BASE SIZE	1-5/8"
POWERRATING	200 watts
MAX HEIGHT	13 1/2"

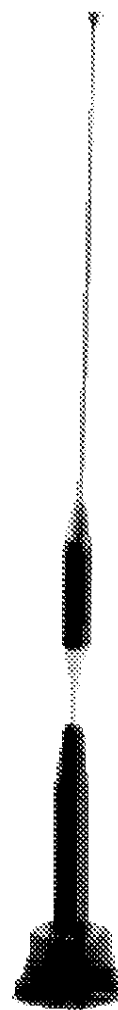
# Mobile Cellular, SMR, Data 800/900 MHz



*Complete 3dB SuperFlex enc. coil antenna,  
standard NMO base w/cable and connector*



*NMO base w/heavy duty chrome spring and  
enc. coil whip*



*NMO base w/heavy duty black spring and enc.  
coil whip*

MODEL	FREQUENCY	CONNECTOR
NMO3E800BMPL	806-866 MHz	MPL
NMO3E800BTNC	806-866 MHz	TNC
NMO3E825BMPL	825-896 MHz	MPL
NMO3E825BTNC	825-896 MHz	TNC
NMO3E900BMPL	890-960 MHz	MPL
NMO3E900BTNC	890-960 MHz	TNC
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/4 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	.070, enc. coil	
COAX	1/2" RG-58/U	
BASE SIZE	1-5/8"	
POWER RATING	200 watts	
MAX HEIGHT	13 1/2"	

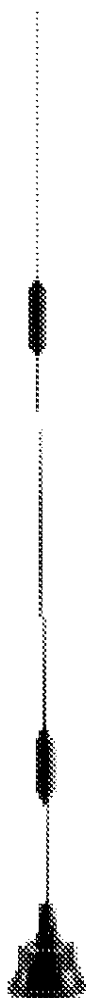
MODEL	FREQUENCY
NMO 800	806-866 MHz
NMO 825	825-896 MHz
NMO 900	890-960 MHz
SPECIFICATIONS	
GAIN	4.5dB
TYPE	5/8 over 1/2 wave
VSWR	1.5:1 or less
COLOR	Black/Chrome
WHIP	.100, enc. coil
COAX	Order separately
BASE SIZE	1-5/8"
POWER RATING	200 watts
MAX HEIGHT	12 3/4" H

MODEL	FREQUENCY
NMO 800 B	806-866 MHz
NMO 825 B	825-896 MHz
NMO 900 B	890-960 MHz
SPECIFICATIONS	
GAIN	4.5dB
TYPE	5/8 over 1/2 wave
VSWR	1.5:1 or less
COLOR	Black/Chrome
WHIP	.100, enc. coil
COAX	Order separately
BASE SIZE	1-5/8"
POWER RATING	200 watts
MAX HEIGHT	12 3/4" H

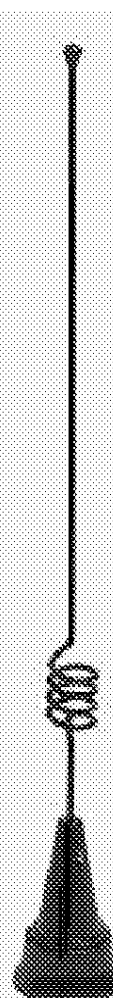
# Mobile Cellular, SMR, Data 800/900 MHz



*NMO 5dB twin open coil antenna*



*NMO 5dB twin SuperFlex enclosed coil antenna*



*Heavy duty cone base open coil gain antenna for NMO mounts*

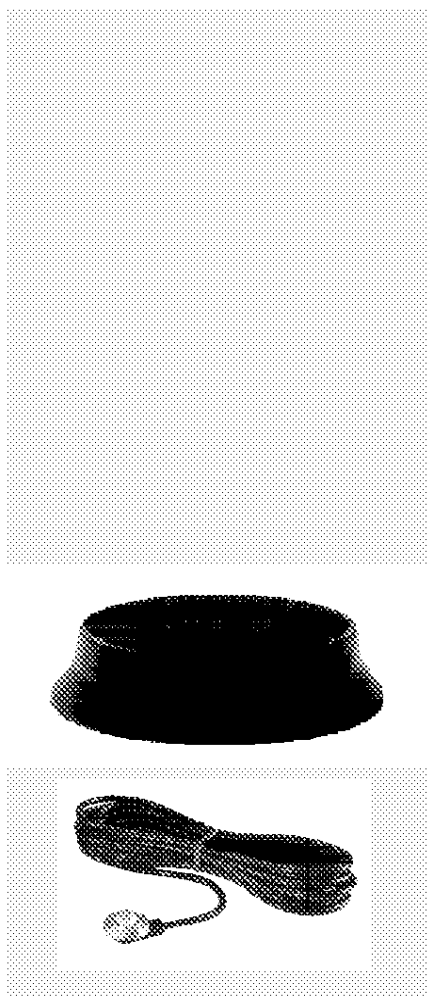
MODEL	FREQUENCY
NMO 5T 800 B	806-866 MHz
NMO 5T 825 B	825-896 MHz
NMO 5T 900 B	890-960 MHz
SPECIFICATIONS	
GAIN	5dB
TYPE	5/8 over 5/8 over 1/4 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	100, twin open coil
COAX	Order separately
BASE SIZE	1-5/8"
POWER RATING	200 watts
MAX HEIGHT	18"

MODEL	FREQUENCY
NMO 5E 800 B	806-866 MHz
NMO 5E 825 B	825-896 MHz
NMO 5E 900 B	890-960 MHz
SPECIFICATIONS	
GAIN	5dB
TYPE	5/8 over 5/8 over 1/4 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	.070, twin enc. coil
COAX	Order separately
BASE SIZE	1-5/8"
POWER RATING	200 watts
MAX HEIGHT	17"

MODEL	FREQUENCY
CM 800 B NMO	806-866 MHz
CM 825 B NMO	825-896 MHz
CM 900 B NMO	890-960 MHz
SPECIFICATIONS	
GAIN	3dB
TYPE	5/8 over 1/4 wave
VSWR	1.5:1 or less
COLOR	Black
WHIP	100, open coil
COAX	Order separately
BASE SIZE	1-5/8"
POWER RATING	200 watts
MAX HEIGHT	14"



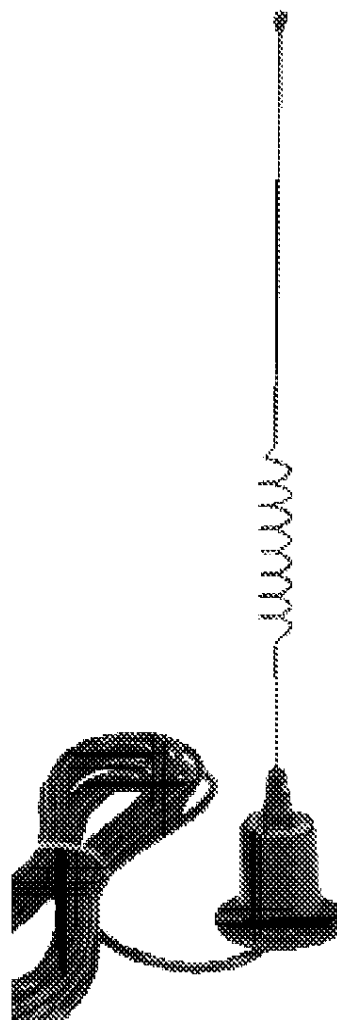
# Mobile Cellular, SMR, Data 800/900 MHz



*Complete NMO mounted low profile antenna and mounting kit*



*Mirage NMO mounted low profile antenna only no cable*



*Self mounting NGP antenna , complete kit with connector*

MODEL	FREQUENCY	CONNECTOR
LP800NMOUD	806-896 MHz	No Conn.
LP900NMOUD	890-960 MHz	No Conn.
SPECIFICATIONS		
GAIN	Unity	
VSWR	1.5:1 or less	
COLOR	Black	
COAX	17' RG58/U	
BASE SIZE	2 1/4"	
POWERRATING	100 watts	
DIAMETER	4"	
MAX HEIGHT	11 1/4"	

MODEL	FREQUENCY	CONNECTOR
LP800NMO	806-896 MHz	No Conn.
LP900NMO	890-960 MHz	No Conn.
SPECIFICATIONS		
GAIN	Unity	
VSWR	1.5:1 or less	
COLOR	Black	
COAX	Order Separately	
BASE SIZE	2 1/4"	
POWERRATING	100 watts	
DIAMETER	4"	
MAX HEIGHT	11 1/4"	

MODEL	FREQUENCY	CONNECTOR
QM 800-MPL	806-866 MHz	MPL
QM 800 TNC	806-866 MHz	TNC
QM 825-MPL	825-896 MHz	MPL
QM 825 TNC	825-896 MHz	TNC
QM 900-MPL	890-960 MHz	MPL
QM 900 TNC	890-960 MHz	TNC
SPECIFICATIONS		
GAIN	3dB	
TYPE	5/8 over 1/2 wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	.070, open coil	
COAX	14' RG-58/U Dual Shield	
BASE SIZE	2 1/4"	
POWERRATING	200 watts	
MAX HEIGHT	15 1/2"	

# Mobile PCS 1850 - 1990 MHz

Larsen's 30 + years of experience in the communications industry provides the basis for producing superior products for the PCS market. Our products are designed to address the issue of loss at these high frequencies, while maintaining an aesthetically pleasing appearance and the traditional standard of high-performance for all Larsen antennas.

The combination of premium materials and the latest design technology makes Larsen's PCS mobiles the right antenna choice.

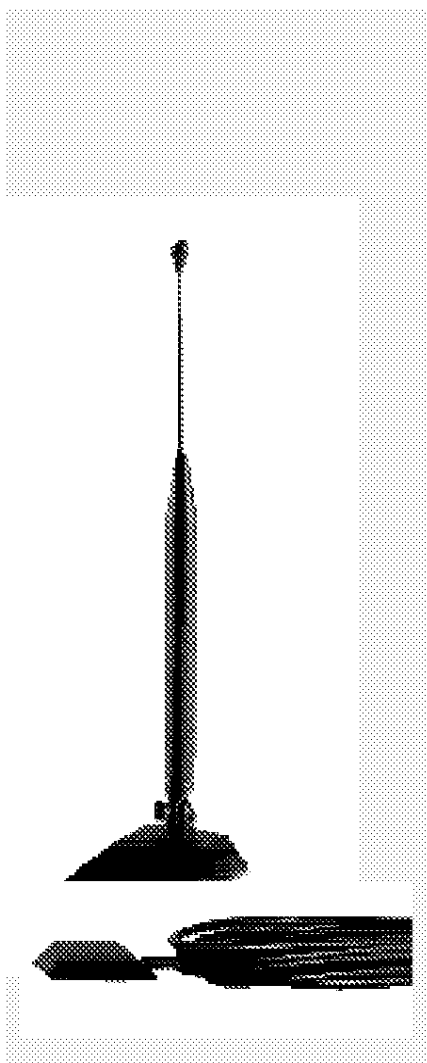
## **LARSEN OFFERS PCS MOBILE ANTENNAS IN UNITY AND 3DB GAIN, IN PERMANENT AND TEMPORARY MOUNTING OPTIONS.**

KG - Patented low-impedance design in a glass mounted antenna

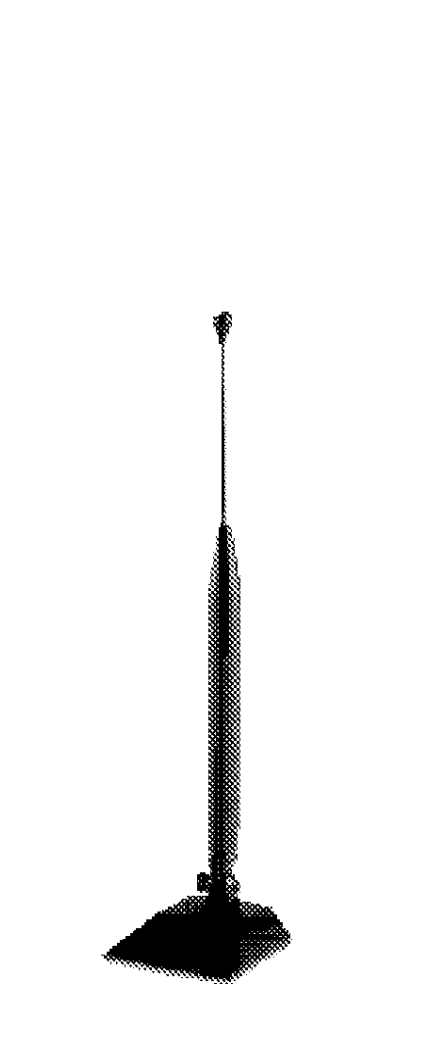
MM - Miniature magnetic mount

NMO - Premium Motorola style 3/4" hole mount

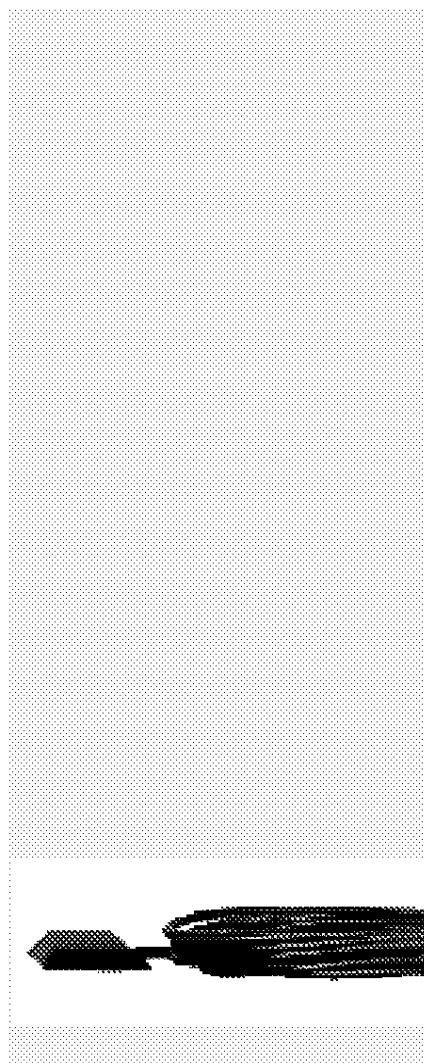
# Mobile PCS 1850 - 1990 MHz



*Complete glass mounted antenna for 1850-1990 MHz*



*Outside coupler and whip for KG3E1850 glass mount antenna*



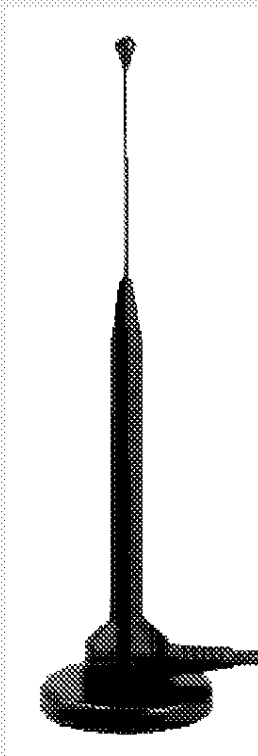
*Inside coupler and coax for KG3E1850 glass mount antenna*

MODEL	FREQUENCY	CONNECTOR
KG3E1850UD	1850-1990MHz	None
KG3E1850UDTNC	1850-1990MHz	TNC Connector
KG3E1850UDMPL	1850-1990MHz	MPL Connector
SPECIFICATIONS		
GAIN	3 dB	
TYPE	5/8" over 1/2" wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	Kulrad	
COAX	14' RG58/U Dual Shield	
BASE SIZE	1.75" X 1.9"	
POWER RATING	7 watts	
MAX HEIGHT	7"	

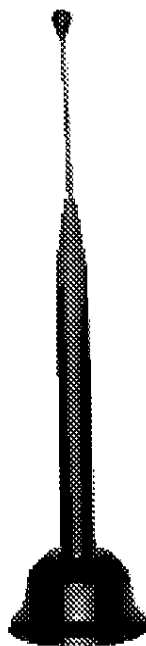
MODEL	FREQUENCY	CONNECTOR
KG3E1850D/S	1850-1990MHz	None
SPECIFICATIONS		
GAIN	3 dB	
TYPE	5/8" over 1/2" wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	Kulrad	
BASE SIZE	1.75" X 1.9"	
POWER RATING	7 watts	
MAX HEIGHT	7"	

MODEL	FREQUENCY	CONNECTOR
KG3E1850UDI/S	1850-1990MHz	No Connector
SPECIFICATIONS		
COAX	14' RG58/U Dual Shield	
BASE SIZE	1.75" X 1.9"	
POWER RATING	7 watts	

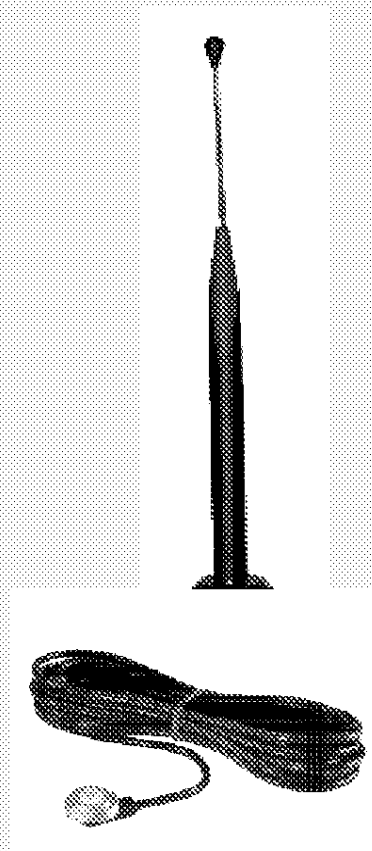
# Mobile PCS 1850 - 1990 MHz



*Complete 2" mini mag mount for 1850-1990 MHz*



*NMO mount antenna only for 1850-1990 MHz*



*Complete NMO antenna and mounting kit for 1850-1990 MHz*

MODEL	FREQUENCY	CONNECTOR
MS3E1850TNC	1850-1990MHz	TNC Connector
MS3E1850MPL	1850-1990MHz	MPL Connector
SPECIFICATIONS		
GAIN	3 dB	
TYPE	5/8" over 1/2" wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	Kulrod	
COAX	14" RG58/U	
BASE SIZE	2"	
POWER RATING	7 watts	
PULL STRENGTH	18lb	
MAX HEIGHT	7"	

MODEL	FREQUENCY	CONNECTOR
NMO3E1850	1850-1990MHz	TNC Connector
SPECIFICATIONS		
GAIN	3 dB	
TYPE	5/8" over 1/2" wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	Kulrod	
COAX	14" RG58/U Dual Shield	
BASE SIZE	1 5/8"	
POWER RATING	7 watts	
MAX HEIGHT	7"	

MODEL	FREQUENCY	CONNECTOR
NMO3E1850UDTNC	1850-1990MHz	TNC Connector
NMO3E1850UDMPL	1850-1990MHz	MPL Connector
SPECIFICATIONS		
GAIN	3 dB	
TYPE	5/8" over 1/2" wave	
VSWR	1.5:1 or less	
COLOR	Black	
WHIP	Kulrod	
COAX	14" RG58/U Dual Shield	
BASE SIZE	1 5/8"	
POWER RATING	7 watts	
MAX HEIGHT	7"	