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, Laisen 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.





On-Glass (Lower) On-Glass (Middle) On-Glass (Upper) Center -3.0dB Center -1.2dB Center -0.5dB

On-Glass (Lower) Corner of Window -3.0dB Magnetic Mount Corner of Hood -2.4dB

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. СМ

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 termorary mounting, with antennas of varying electrical types







KG

PHW

EF

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.

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. 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.



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.

MM/MS

0M

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.

Mobile Antenna Mount Styles



Larsen's traditional magnetic mount offers

has a rubber outer boot and Teflon tape for

RG58A/U coax or premium dual shield coax.

Offered for the NMO, LM (CM, LA), and PO

protection. It is available with standard



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.



тмв

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

MM

antennas,

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.

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



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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
NMO 27 BCO	27-30 MHz	NMO 27 (27-30 MHz	NMO 27 B	27-30 MHz	
SPECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
GAIN	Unity	GAIN	Unity	GAIN	Unity	
TYPE	Loaded 1/4 wave coil	TYPE	Loaded 1/4 wave	TYPE	Loaded 1/4 wave	
VSWR	1,5:1 or less	VSWR	1,5:1 ar less	VSWR	1.5:1 or less	
POWER RATING	200 watts	POWERRATING	200 wotts	POWERRATING	200 watts	
COLOR	Block	COLOR	Black/Chrome	COLOR	Black	
WHIP	Order separately	WHIP	W 490, .100 topered	WHP	W 490 B, .100 tapered	
COAX	Order separately	COAX	Order separately	COAX	Order separately	
MAXHEIGHT	4"	MAXHEIGHT	53"	MAX HEIGHT	53"	



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

ODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
MD 27 C K	27-30 WHz	NMO 27 B K	27-30 MHz	NMO 30 BCO	30·34 MHz	
HOFICARDAS		SPECIFICATIONS		SPECIFICATIONS		
AIN YPE	Unity	GAIN	Unity	GAIN	Unity	
irc SWR	Loaded 1/4 wave 1.5:1 ar less	TYPE	Loaded 1/4 wave	TYPE	Loaded 1/4 wave coil	
OWERRATING	200 watts	VSWR	1.5:1 or less	VSWR Powerrating	1.5:1 or less 200 watts	
OLOR	Black/Chrome	POWERRATING COLOR	200 watts Black	COLOR	Black	
HP	W 490, .100 tape red	WHIP	W 490 B, 100 topered	WHIP	Order separately	
)AX Musetod	17" RG-58A/U	COAX	17' RG-58A/U	COAX	Order separately	
ONNECTOR Ax height	P1-259 53"	CONNECTOR	PL-259	MAX HEIGHT	4 "	
HAX REIUR I	σι	MAX HEIGHT	53*			



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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
NMO 30 C	30-34 MHz	NMO 30 B	30-34 MHz	NMO 30 C K	30-34 MHz	
SPECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
GAIN	Unity	GAIN	Unity	GAIN	Unity	
TYPE	Loaded 1/4 wave	type	Loaded 1/4 wave	TYPE	Loaded 1/4 wave coil	
/SWR	1.5:1 or less	VSWR	1.5:1 or less	VSWR	1.5:1 or less	
OWERRATING	200 watts	POWERRATING	200 watts	POWERRATING	200 watts	
OLOR	Black/Chrome	COLOR	Black	COLOR	Black/Chrome	
A HIP	W 490, .100 tape red	WHIP	W 490B, .100 tapered	WHIP	W 490, .100 topered	
OAX	Order separately	COAX	Order separately	COAX	17' RG-58A/U	
AAX HEIGHT	53°	MAXHEIGHT	53°	CONNECTOR	PL-259	
				MAX HEIGHT	53"	



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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
NMO 30 B K	30-34 MHz	NMD 34 BCO	34-40 MHz	NMO 34 C	34-40 MHz	
SPECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
GAIN	Unity	GAIN	Unity	GAIN	Unity	
TYPE	Loaded 1/4 wave	type	Loaded 1/4 wave coil	TYPE	Loaded 1/4 wave	
ISWR	1.5:1 or less	¥SWR	1.5:1 ar less	¥S₩R	1,5:1 or less	
OWERRATING	200 watts	POWERRATING	200 watts	POWERRATING	200 watts	
OLOR	Black	COLOR	Black	COLOR	Black/Chrame	
(HIP	W 490 B, .100 tapered	WHIP	Order separately	WHP	W 490, .100 topered	
OAX	17' RG-58A/U	COAX	Order separately	COAX	Order separately	
ONNECTOR	PL-259	MAX HEIGHT	4 ⁿ	MAX HEIGHT	53 °	
AAX HEIGHT	S 3"					



Coil and black whip for NMD 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

AODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
MD 34 B	34-40 MHz	NMO 34 C K	34-40 MHz	NMO 34 B K	34-40 MHz	
PECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
A:IN	Unity.	GAIN	Unity	GAIN	linity	
YPE	Loaded 1/4 wave	type	Loaded 1/4 wave	type	Loaded 1/4 wave	
SWR	1.5:1 or less	¥SWR	1,5:1 or less	¥S₩R	1.5:1 or less	
OWERRATING	200 watts	POWERRATING	200 watts	POWERRATING	200 watts	
OLOR	Block	COLOR	Black/Chrome	color	Black	
(HIP	W 490 B, .100 tapered	WHIP	W 490, .100 topered	₩HI5	W 490 B, .100 topered	
OAX	Order separately	COAX	17' RG-58A/U	COAX	17' RG-58A/U	
IAX HEIGHT	53"	CONNECTOR	PL-259	CONNECTOR	PL-259	
		MAX HEIGHT	53*	MAXHEIGHT	53"	



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

MDDE		MODEL	FREQUENCY			
NMO 40 BCO	FREQUENCY 40-50 MHz	MODEI NMO 40 C	40-S0 MHz	MODEL NMO 40 8	40-S0 MHz	
SPECIFICATIONS		SPECIFICATION5		SPECIFICATIONS		
GAIN	Unity	GAIN	Unity	GAIN	Unity	
TYPE	Loaded 1/4 wave coil	TYPE	Loaded 1/4 wave	TYPE	Loaded 1/4 wave	
VSWR POWFRRATING	1.5:1 or less 200 watts	¥SWR POWER RATING	1.5:1 or less 200 watts	¥SWR POWERRATING	1,5:1 or less 200 watts	
COLOR	Black	COLOR	Black/Chrame	COLOR	Black	
WHIP	Order separately	WHIP	W 490, .100 topered	WHIP	W 490 B, 100 topered	
COAX	Order se parately	COAX	Order separately	COAX	Order separately	
MAX HEIGHT	31/2*	MAX HEIGHT	521/2*	MAXHEIGHT	52 1/2"	



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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
NMO 40 C K	40-50 MHz	NMO 40 B K	40-50 MHz	NMO 50 BCO	47-54 MHz	
PECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
SAIN	Unity	GAIN	Unity	GAIN	Unity	
ry pe	Loaded 1/4 wave	type	Loaded 1/4 wave	TYPE	Loaded 1/4 wave coil	
SWR	1.5:1 or less	VSWR	1.5:1 ar less	VSWR	1.5:1 or less	
OWERRATING	200 watts	POWERRATING	200 watts	POWERRATING	200 watts	
OLDR	Black/Chrome	COLOR	Black	COLOR	Black	
(HIP	W 490, .100 tapered	報用書	W 490 B, .100 tapered	WHIP	Order separately	
OAX	17' RG-58A/U	COAX	17' RG-58A/U	COAX	Order separately	
ONNECTOR	PL-259	CONNECTOR	PL-259	MAX HEIGHT	31/2"	
AAX HEIGHT	52 1/2"	MAX HEIGHT	52 1/2°			



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

Coil and black whip for NNO mounts, 47-54 MHz

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

AODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
HAD SD C	47-54 秭Hz	NMO SO B	47-54 MHz	NMO 50 C K	47-54 MHz	
PECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
ia In	Unity	GAIN	Unity	GAIN	Unity	
fype	Loaded 1/4 wave	TYPE	Loaded 1/4 wave	TYPE	Loaded 1/4 wave	
ISWR	1.5:1 or less	VSWR	1.5:1 or less	¥SWR	1.5:1 or less	
OWERRATING	200 watts	POWERRATING	200 watts	POWERRATING	200 watts	
Olor	Black/Chrome	COLOR	Black	COLOR	Black/Chrame	
WHIP	W 490, .100 tape red	WHIP	W 490 B, .100 tapered	WHIP	W 490, .300 tapered	
ioax	Order separately	COAX	Order separately	COAX	17' RG-584/U	
AAX HEIGHT	521/2"	MAXHEIGHT	521/2*	CONNECTOR	PL-259	
				MAX HEIGHT	521/2"	



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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
NMO SO B K	47-54 MHz	NMOQ 52 C	52-88 MHz	Q52	52:88 MHz	
PECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
3AIN	Unity	GAIN	Unity	GAIN	Unity	
(YPE	Loaded 1/4 wave	type	1/4 wave	TYPE	1/4 wave	
/SWR	1.5:1 or less	VSWR	1.5:1 ar less	¥SWR	1.5:1 or less	
OWERRATING	200 watts	POWERRATING	200 watts	POWERRATING	200 watts	
OLOR	Block	COLOR	Black/Chrome	COLOR	Chrome	
併膠	W 490 B, .100 tapered	WHIP	W 540, .100 tope red	₩₩₽	W 540, .100 topered	
OAX	17° RG-58A/U	COAX	Order separately	COAX	Order separately	
ONNECTOR	PL-259	MAX HEIGHT	55"	MAX HEIGHT	\$5°	
AAX HEIGHT	52 1/2"					



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

MODEI	FREQUENCY	MODEI	FREQUENC Y	
NMDQ 88 C	88-136 MHz	Q 88	88-136 MHz	
SPECIFICATIONS		SPECIFICATIONS		
GAIN	Unity	GAIN	Unity	
TYPE	1/4 wave	TYPE	1/4 wave	
VSWR	1.5:1 or less	¥SWR	1,5:1 or less	
POWER RATING	200 watts	POWERRATING	200 watts	
COLDR	Black/Chrome	COLOR	Chrome	
WHIP COAX	W 400, 100 Order separately	WHIP COAX	W 400, .100 Order separately	
CONNECTOR	Order separately	CONNECTOR	Order separately	
MAX HEIGHT	35"	MAX HEIGHT	35*	

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 5/1 6-24 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:

- 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



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	MODEI	FREQUENCY	MODEI	FREQUENCY	
(G 2/70 UD PL	144 148/442 448 MHz	KG 2/70 0/S	144-148/442-448MHz	UMC 2/70 B	144-148/442-448 MHz	
PECIFICARIONS		SPECIFICATIONS		SPECIFICATIONS		
ia in	2.4/4dB	GAIN	2.4/4dB	GAIN	Unity	
YPE	1/2 wave/collinear	TYPE	1/2 wave/collinear	type	Center loaded 1/4 wave,	
SWR	1.5:1 or less	VSWR	1.5:1 or less		center loaded 3/4 wave	
OWER RATING	100 watts	POWERRATING	100 watts	VSWR	1.5:1 or less	
OLOR	Black	COLOR	Black	POWERRATING	200 watts	
翻訳	W KG 2/70, .100 open coll	WHIP	W 2/70, .100 open cail	COLOR	Black	
OAX	14' RG-58U Dual Shield	COAX	Order separately	WHP	.100 open coll	
ONNECTOR	PL-259	MAX HEIGHT	32 3/4*	COAX	Order separately	
AX HEIGHT	32 3/4"			MAX HEIGHT	18"	



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

Complete 2m/70cm mag mount antenna

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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
LMC 2/70 B K	144-148/442-448 MHz	MM 2/70 PL	144-148/442-448 MHz	NMO 2/70 BCO	144-148/440-450 MHz	
SPECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
GAIN	Unity	GAIN	Unity	GAIN	2.4/4dB	
TYPE	Center loaded 1/4 wave,	TYPE	Center loaded 1/4 wave,	type	Dual band coil	
	center loaded 3/4 wave		center loaded 3/4 wave	¥S₩R	1.5:1 or less	
VSWR	1.5:1 or less	VSWR	1.5:1 or less	POWERRATING	200 watts	
POWERRATING	200 watts	POWERRATING	200 watts	COLOR	Black	
COLOR	Black	COLOR	Black	WHP	Order separately	
WHIP	W LM 2/70 B, .100 open coll	₩HIP	W MM 2/70, .100 open coil	COAX	Order separately	
COAX	17' RG-58A/U	COAX	12' RG SBA/U	MAX HEIGHT	3"	
CONNECTOR	የዚ-259	CONNECTOR	PL-259			
MAX HEIGHT	18*	MAX HEIGHT	18"			

Ŷ





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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
NMO 2/70 C	144-148/440-450 MHz	NMD 2/70 B	144-148/440-450 MHz	NMO 2/70 C K	144-148/440-450 MHz	
PECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
JAIN	2.4/4dB	GAIN	2.4/4dB	GAIN	2.4/4dB	
YPE	5/8 wave/collinear	TYPE	5/8 wave/collinear	TYPE	S/8 wave/collinear	
SWR	1.5:1 or less	VSWR	1.5tl or less	¥SWR	1.5:1 or less	
OWERRATING	200 watts	POWERRATING	200 watts	POWER RATING	200 watts	
OLDR	Black/Chrome	COLOR	Black	COLOR	Black/Chrame	
hip	W NMO 2/70, .100 enc. coll	WHP	W NMO 2/70 B, 100 open coil	数田を	W NMO 2/70, .100 enc. coll	
OAX	Order separately	COAX	Order separately	COAX	17' RG-58A/U	
IAX HEIGHT	37 1/4"	MAX HEIGHT	36 3/4"	CONNECTOR	PL-259	
				MAXHEIGHT	37 1/4°	



Complete Amateur 2m/70cm dual band antenna and NMO mounting kit. Black base and antenna with spring for NMO mounts whip

Lower profile Amateur 2m/70cm dual band

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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODE	FREQUENCY	
NMO 2/70 B K	144-148/44D-450 MHz	NMO 2/70 SH	144-148 / 440-450 MHz	RMO 2/70 SH K	144 148/440 450 MHz	
SPECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
GAIN	2.4/4dB	GAIN	Unity	GAIN	Unity	
TYPE	5/8 wave/collinear	TYPE	Center loaded 1/4 wave	type	Center loaded 1/4 wave,	
VSWR	1.5:1 or less		center loaded 3/4 wave		center loaded 3/4 wave	
POWERRATING	200 wotts	VSWR	1.5:1 or less	VSWR	1.5:1 or less	
COLOR	Black	POWERRATING	200 watts	POWERRATING	200 watts	
WHIP	W NMO 2/70 8, 100 open coll	COLOR	Black/Chrome	COLOR	Black/Chrome	
COAX	17' RG-58A/U	WHIP	W NMO 2/70 SH, .100 enc. coll	WHIP	W NMO 2/70 SH, .100 enc. coil	
CONNECTOR	PL-259	COAX	Order separately	COAX	17' RG-SBA/U	
MAX HEIGHT	36 3/4"	MAX HEIGHT	19*	CONNECTOR	PL-259	
				MAX HEIGHT	19"	



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

MODEI	FREQUENCY	🗱 MODEI	FREQUENCY	MODEI	FREQUENCY	
NMDQ 2/70 B	144-148/440-450 MHz	NMOQ 2/70 B K	144-148/440-450 MHz	NMO 150/450 BCO	150-154/450-460 MHz	
SPECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
GAIN	Unity	GAIN	Unity	GAIN	2.4/4dB	
TYPE	Center loaded 1/4 wave,	TYPE	Center loaded 1/4 wave,	type	Dual band coil	
	center loaded 3/4 wave		center loaded 3/4 wave	VSWR	1.5:1 or less	
VSWR	1.5:1 or less	VSWR	1.5:1 or less	POWERRATING	200 watts	
POWERRATING	200 watts	POWERRATING	200 watts	COLOR	Black	
COLOR	Black	COLOR	Black	WHIP	Order separately	
WHIP	W NMOQ 2/70 B, .100 apen coll	WHIP	W NMOQ 2/70 B, 100 open coll	COAX	Order separately	
COAX	Order separately	COAX	17' RG-SBA/U	MAX HEIGHT	3"	
MAX HEIGHT	19°	CONNECTOR	PL-259			
		MAX HEIGHT	19"			



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

MODEI	FREQUENCY	MODEI	FREQUENCY		
NM0150/450 C	150-154/450-460 MHz	NMO 150/450 C K	150-154/450-460 MHz		
SPECIFICATIONS		SPECIFICATIONS			
GAIN	2.4/4dB	GAIN	2.4/4dB		
TYPE	5/8 wave/collinear	TYPE	S/8 wave/collinear		
VSWR	1.5:1 or less	¥SWR	1.5:1 or less		
POWER RATING	200 watts	POWERRATING	200 watts		
COLOR	Black/Chrome	COLOR	Black/Chrome		
WHIP	W150/450, .300 enc. coll	WHIP	W 150/450, .100 enc. coll		
COAX	Order separately	COAX	17' RG-58A/U		
MAX HEIGHT	37 1/4"	CONNECTOR	PL-259		
		MAX HEIGHT	37 1/4"		

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



Complete KG glass mount antenna for 144-160 MHz



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



Complete KG glass mount antenna for 160-174 MHz

MODEI	FREQUENCY	CONNECTOR 🛞	MODEI	FREQUENCY	MODEI	FREQUENCY	CONNECTOR
KG 144 UD	144-160 MHz	No Conn	KG 144 0/5	144-160 MHz	KG 160 UD	160-174 MHz	No Conn
KG 144 UD PL	144-160 MHz	PL-259	SPECIFICATIONS		KG 160 UD PL	160-174 MHz	PL-259
SPECIFICATIONS			GAIN	2.5dB	SPECIFICATIONS		
GAIN	2.5d8		TYPE	1/2 wave	GAIN	2.5dB	
TYPE	1/2 wave		VSWR	1.5:1 or less	TYPE	1/2 waxe	
VSWR	1.5:1 or less		POWERRATING	100 watts	VSWR	1.5:1 or less	
POWERRATING	100 watts		COLOR	Black	POWERRATING	100 watts	
COLOR	Black		WHIP	W KG 144, . 100 topered	COLOR	Black	
WHIP	W KG 144, .100 tapete		COAX	Order separately	WHIP	W KG 160, .100 topered	***************************************
COAX	14' RGS8/U Duel Shle	d	MAX HEIGHT	48°	COAX	14' RGSB/U Dual Shiel	d
MAX HEIGHT	48"				MAX HEIGHT	47*	



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



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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
LA 150 C	144-174 MHz	LA 150 B	144-174 MHz	LA 150 U	144-174 MHz	
SPECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
GAN	3dB	GAIN	3dB	GAIN	3d8	
TYPE	5/8 wave	TYPE	5/8 wave	TYPE	5/8 wave	
¥SWR	1.5:3 or less	¥SWR	L5:1 or less	¥S₩R	1.5:1 or less	
POWERRATING	200 wotts	POWERRATING	200 watts	POWER RATING	200 watts	
COLOR	Black/Chrome	COLOR	Black	COLOR	Black/Chrome	
WHIP	W 490, 100 tapeted	WHIP	W 490 B, 100 topered	WHIP	W 490 U, 100 tapeted, unplated	
COAX	Order separately	COAX	Order separately	COAX	Order separately	
MAX HEIGHT	511/2"	MAX HEIGHT	5 1/2"	MAX HEIGHT	511/2"	



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

MODEI	FREQUENCY	MODEI	FREQUENCY	MOD EI	FREQUENCY	
LA 150 C K	144·174 MHz	LA 150 B K	144-174 MHz	LA 150 U K	144-174 MHz	
SPECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
GAIN	3dB	GAIN	3dB	GAIN	3d8	
TYPE	5/8 wave	TYPE	5/8 wave	TYPE	5/8 wave	
¥SWR	1.5:1 or less	¥SWR	1.5:1 or less	¥SWR	LS:1 or less	
POWER RATING	200 wotts	POWER RATING	200 watts	POWERRATING	200 watts	
COLOR	Black/Chrome	COLOR	Black	COLOR	Black/Chrome	
WHIP	W 490, 100 tapered	WHIP	W 490 B, 100 tapered	数用 18	W 490 U, 100 tapered, unplated	
COAX	17' RG-58A/U	COAX	17' RG-58A/U	COAX	17' RG-58A/U	
CONNECTOR	PL·259	CONNECTOR	PL-259	CONNECTOR	PL-259	
MAX HEIGHT	52 1/2"	MAXHEIGHT	521/2"	MAXHEIGHT	52 1/2"	



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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
LA WBQ	150-170 AHz	LA WBO K	150-170 MHz	LA WBQ B	150-170 MHz	
SPECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
GAIN	Unity	GAIN	Unity	GAIN	Unity	
TYPE	Wideband 1/4 wave	TYPE	Wideband 1/4 wave	type	Wideband 1/4 wave	
VSWR	1.5:1 or less	¥SWR	1.5:1 or less	¥SWR	1.5:1 or less	
POWERRATING	200 wotts	POWERRATING	200 wotts	POWERRATING	200 watts	
COLOR	Chrome	COLOR	Chrome	COLOR	Black	
WHIP	W LM WBQ, .125, with spring	WHIP	W LM WBQ, .125, with spring	WHP	W LM WBOB, .125, with spring	
COAX	Order separately	COAX	17' RG-58A/U	COAX	Order separately	
MAX HEIGHT	151/2"	CONNECTOR	PL 259	MAX HEIGHT	151/2"	
		MAX HEIGHT	15 1/2"			



Complete black wideband VHF 1/4 wave and LA Black LM coil only for 144-174 MHz mounting kit

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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
A WBQ B	150-170 MHz	LM 150 BCO	144-174 MHz	LM 150 C	144-174 MHz	
PECIFICA NONS		SPECIFICATIONS		SPECIFICATIONS		
ain	Unity	GAIN	3dB	GAIN	3dB	
YPE	Wideband 1/4 wave	type	5/8 wove cail	TYPE	S/8 wave	
SWR	1.5:1 or less	¥SWR	1.5:1 or less	VSWR	1.5:1 or less	
OWERRATING	200 watts	POWERRATING	200 watts	POWERRATING	200 watts	
OLOR	Black	COLOR	Block	COLOR	Black/Chrome	
粗胁	W LM WBQB, .125, with spring	操用的	Order separately	WHP	W 490, 100 tape red	
OAX	17' RG-58A/U	COAX	Order separately	CCIAX	Order separately	
ONNECTOR	PL 259	MAX HEIGHT	23/4"	MAX HEIGHT	\$13/4"	
MAX HEIGHT	151/2"					



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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
.M 150 B]44-174 MHz	LM 150 U	144-174 MHz	LM 150 C K	144-174 MHz	
PECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
5AIN	3dB	GAIN	3dB	GAIN	368	
(YPE	5/8 wave	TYPE	5/8 wave	type	S/8 wave	
/SWR	1.5:1 ar less	¥SWR	1.5:1 or less	¥SWR	1.5:1 or less	
POWER RATING	200 wetts	POWERRATING	200 watts	POWERRATING	200 watts	
COLOR	Block	COLOR	Block/Chrome	COLOR	Black/Chrome	
A HIP	W 490 B, 300 tapered	WHIP	W 490 U, 300 topered, unplated	WHIP	W 490, 100 tapered	
IOAX	Order separately	COAX	Order separately	COAX	17' RG-58A/U	
AAX HEIGHT	513/4"	MAX HEIGHT	51 3/4"	CONNECTOR	PL-259	
				MAX HEIGHT	513/4"	



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

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

Wideband VHF 1/4 wave antenna for LM mounts

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
LM 150 B K	144-174 MHz	LM 150 U K	144-174 AHz	LM WBQ	150-170 MHz	
SPECIFICARIONS		SPECIFICATIONS		SPECIFICATIONS		
GAIN	3dB	GAIN	3dB	GAIN	Unity	
TYPE	5/8 wave	type	5/8 wave	type	Wideband 1/4 wave	
/SWR	1.5:1 or less	¥SWR	1.5:1 or less	¥SWR	1.5:1 or less	
OWERRATING	200 watts	POWERRATING	200 wotts	POWERRATING	200 watts	
OLOR	Black	COLOR	Black/Chrome	COLOR	Chrome	
VHIP	W 490 B, 300 tapered	難用理	W 490 U, 300 tapered, unplated	WHIP	W LM WBQ, 125, with spring	
IOAX	17' RG-58A/U	COAX	17' RG-58A/U	COAX	Order separately	
ONNECTOR	P1-259	CONNECTOR	PL-259	MAX HEIGHT	18 1/2"	
WAX HEIGHT	SI 3/4"	MAX HEIGHT	513/4"			



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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
M WBQ K	150-170 MHz	LM WBQ B	150-170 MHz	LM WBQ B K	150·170 MHz	
PECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
'AR	Unity	GAIN	Unity	GAIN	Unity	
YPE	Wideband 1/4 wave	TYPE	Wideband 1/4 wave	type	Wideband 1/4 wave	
SWR	1.5:1 or less	¥SWR	1.5:1 or less	VSWR	1.5:1 or less	
OWERRATING	200 wetts	POWERRATING	200 watts	POWERRATING	200 watts	
OLOR	Chrome	COLOR	Black	COLOR	Black	
AHIb	W LM WBQ, .125, with spring	WHP	W LM WBQ B, .125, with spring	教出も	W LM WBQ B, .125, with spring	
OAX	17' RG-58 A/U	COAX	Order separately	COAX	17' RG-58 A/U	
ONNECTOR	PL 259	MAXHEIGHT	181/2"	CONNECTOR	PL 259	
AAX HEIGHT	18 1/2"			MAXHEIGHT	18 1/2"	



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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	CONNECTOR
AHW 150 BCO	144-174 MHz	WHW 150 C	144-174 MHz	MS 🛛 144 FME	144-148 MHz	FME
PECIFICATIONS		SPECIFICATIONS		MS 🛛 144 BNC	144-148 MHz	BNC
GAIN	2.5dB (with ground plane)	GAIN	2.5dB (with ground plane)	SPECIFICATIONS		
TYPE	1/2 wave coil	TYPE	1/2 wave	GAIN	Unity	
A2Mb	1.5:1 or less	VSWR	1,5:1 or less	TYPE	1/4 wave	
POWERRATING	200 watts	POWERRATING	200 watts	¥S₩R	1. 5:1 or less	
COLOR	Black	COLOR	Black/Chrome	POWERRATING	50 watts	
WHIP	Order separately	WHIP	W 490, .100 topered	COLOR	Black	
COAX	Order separately	COAX	Order separately	WHIP	W MS 144, .070	
MAX HEIGHT	21/2*	MAXHEIGHT	5] 3/2"	COAX	12' RG174	
				MAXHEIGHT	21"	



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

SPECIFICARONS GAIN Unity	O MH2 SMA	TYPE YSWR POWERRATING COLOR	S/8 wave cail 1.5:1 or less 200 watts Black	GAIN TYPE VSWR POWERRATING COLOR	3dB 5/8 wave 1,5:1 or less 200 watts Black/Chrame	
TYPE 1/4 w VSWR 1.5:10 POWERRATING 50 wo COLOR Black	less ts 150, .070	WHIP COAX MAX HEIGHT	Order separately Order separately 21/7"	WHIP COAX MAX HEIGHT	W 490, 100 tapered Order separately 511/7°	



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

AODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
IMO 150 B	144-174 MHz	NMO 150 U Specifications	144-174 胡Hz	NMO 150 C K	144 174 MHz	
PECIFICA DONS Jain	3d 8	GAIN	3dB	SPECIFICATIONS GAIN	348	
YPE	5/8 wave	TYPE	5/8 wave	TYPE	5/8 wave	
'SWR 'DWER RATING	1.5:1 ar less 200 watts	VSWR Powerrating	1,5t1 at less 200 watts	¥SWR POWERRATING	1.5:1 or less 200 watts	
OLDR	Black	COLOR	Block/Chrome	COLOR	Black/Chrome	
VHIP OAX	W 490 B, 100 tapered Order separately	WHIP COAX	W 490 U, 100 tapered, unplated Order separately	WHIP COAX	W 490, 100 tapered 17' RG-58A/U	
IAX HEIGHT	511/2"	MAX HEIGHT	511/2"	CONNECTOR	PL-259	
				MAX HEIGHT	511/2"	


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

MODEI	FREQUENCY	MODEI	FREQUENCY	MOD EI	FREQUENCY	
NMO 150 B K	344-174 MHz	NMO 150 PC	146-174 MHz	NMO 150 HW BCO	144-174 MHz	
SPECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
GAIN	3dB	GAIN	3dB	GAIN	2.5dB (with ground plane)	
TYPE	5/8 wave	TYPE	5/8 wave	type	1/2 wave coil	
¥SWR	1.5:1 or less	VSWR	1,5:1 or less	VSWR	1.5:1 or less	
POWERRATING	200 watts	POWERRATING	200 watts	POWERRATING	200 watts	
COLOR	Block	COLOR	Black/Chrome	COLOR	Black	
WHIP	W 490 B, 100 tapered	WHIP	W 490, 100 tapered	WHIP	Order separately	
COAX	17' RG-58A/U	COAX	Order separately	COAX	Order separately	
CONNECTOR	PL-259	MAXHEIGHT	SI"	MAX HEIGHT	21/2"	
MAX HEIGHT	511/2"					





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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
NMO 150 C HW	144-174 MHz	NMO 150 BHW	144-174 MHz	NMO WB 150 BCO	135-174 MHz	
SPECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
GAIN	2.5dB (with ground plane)	GAIN	2.5dB (with ground plane)	GAIN	2.5d8 (with ground plane)	
TYPE	1/2 wave	TYPE	1/2 wave	TYPE	Wideband, end fed 1/2 wave	
VSWR	1.5:1 or less	¥SWR	1.5:1 or less	¥SWR	2.0:1 or less	
POWERRATING	200 watts	POWERRATING	200 watts	POWERRATING	100 watts	
COLOR	Black/Chrome	COLOR	Black	COLOR	Black	
WHIP	W 490,.100 tapered	操用的	W 490 B, 100 tapered	WHP	Order separately	
COAX	Order separately	COAX	Order separately	COAX	Order separately	
MAX HEIGHT	511/2"	MAXHEIGHT	5] 1/2"	MAX HEIGHT	23/4*	



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

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

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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY
NMO WB 150 C	135-174 MHz	NMO WB 150 B	135-174 MHz	NMO WB 150 U	135-174 MHz
PECIFICARIONS		SPECIFICATIONS		SPECIFICATIONS	
ia In	2.5dB (with ground plane)	GAIN	2.5dB (with ground plane)	GAIN	2.5dB (with ground plane)
YPE	Wide band, end fed 1/2 wave	type	Wide band, end fed 1/2 wave	TYPE	Wideband, end fed 1/2 wave
SWR	2.0:tar less	¥SWR	2.0:1 or less	VSWR	2.0:1 or less
OWERRATING	100 watts	POWERRATING	100 watts	POWERRATING	100 watts
olor	Black/Chrome	COLOR	Black	COLOR	Black/Chrome
AHP	W 490 .125, .125 topered	難問律	W 490 .125 B, .125 topered	WHIP	W 490 U .125, 125 tapered,
OAX	Order separately	COAX	Order separately		unplated
IAX HEIGHT	513/4"	MAX HEIGHT	513/4"	COAX	Order separately
				MAXHEIGHT	513/4°



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

	MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
	NMO WB ISO C K	135-174 MHz	NMO W8 150 B K	135 174 MHz	NMO WB 15D U K	135-174 MHz	
	SPECIFICA ROAD		SPECIFICATIONS		SPECIFICATIONS		
	GAIN	2.5dB (with ground plane)	GAIN	2.5dB (with ground plane)	GAIN	2.5dB (with ground plane)	
	TYPE	Wideband, end fed 1/2 wave	TYPE	Wide band, end fed 1/2 wave	TYPE	Wideband, end fed 1/2 wave	
	VSWR	2.0:1 or less	VSWR	2.0:1 or less	VSWR	2.0:1 or less	
	POWERRATING	100 watts	POWERRATING	100 watts	POWERRATING	100 watts	
	COLOR	Black/Chrome	COLOR	Block	COLOR	Black/Chrome	
	WHP	W 490 .125, .125 topered	WHIP	W 490 .125 B, .125 topered	WHIP	W 490 U .125,.125 tapered,	
~~~~~	COAX	17' RG-58A/U	COAX	17' RG-58A/U		unploted	
	CONNECTOR	P1-259	CONNECTOR	PL-259	COAX	17' RG-58A/U	
	MAX HEIGHT	\$1 3/4"	MAX HEIGHT	513/4"	CONNECTOR	PL-259	
					MAX HEIGHT	\$13/4*	



Wideband VHF 1/4 wave antenna for NND 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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
NAD WBQ C SPECIFICATIONS GAIN TYPE VSWR POWERRATING COLOR WHIP COAX MAX HEIGHT	150-170 MHz Unity Wideband 1/4 wave 1.51 or less 200 watts Black/ Chrome W NMO WBQ, 125 with spring Order separately 20"	NHO WBQ C K SPECIFICATIONS GAIN TYPE VSWR POWERRATING COLOR WHIP COAX CONNECTOR MAX HEIGHT	150-170 MHz Unity Wide band 1/4 wave 1.51 ar less 200 watts Black/Chrome W NMO WBO, 125 with spring 17 RG-584/U PL-259 20*	HMO WBQ B SPECIFICATIONS GAIN TYPE VSWR Power Rating Color Whip Coax Max Height	150-170 MHz Unity Wideband 1/4 wave 1.511 or less 200 watts Black/ Chrome W NMO WBQ B, .125 with spring Order separately 20°	



base and spring, chrome whip

Complete NMO wideband VHF 1/4 wave Self mounting NGP VHF coil with internally antenna and mounting kit, 150-170 MHz. Black attached cable for 144-174 MHz

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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
NMO WBQ B K	150-170 MHz	OM 150 BCO	144-174 MHz	OM 150 C K	144-174 MHz	
SPECIFICATIONS		SPECIFICATION5		SPECIFICATIONS		
GAIN	Unity	GAIN	2.5d8 (with ground plane)	GAIN	2.5dB (with ground plane)	
TYPE	Wide band 1/4 wave	түре	1/2 wave	type	1/2 wave	
VSWR	1.5:1 or less	VSWR	1,5t) or less	VSWR	1.5:1 or less	
POWERRATING	200 wetts	POWERRATING	200 watts	POWERRATING	200 watts	
COLOR	Black/ Chrome	COLOR	Black	COLOR	Black/Chrome	
WHIP	W NMO WBQ B, .125 with spring	WHP	Order separately	WHIP	W 490, .100 topered	
COAX	17' RG-584/U	COAX	17' RG-58A/U	COAX	17' RG-58A/U	
CONNECTOR	PL-259	CONNECTOR	PL-259	CONNECTOR	PL-259	
MAX HEIGHT	20"	MAXHEIGHT	3"	MAX HEIGHT	513/4*	



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.

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
OM 150 B K	144-174 MHz	PHW ISO BCO	144-174 MHz	PHW 150 C	144-174 MHz	
SPECIFICA RONS		SPECIFICATIONS		SPECIFICATIONS		
GAIN	2.5dB (with ground plane)	GAIN	2.4dB (with ground plane)	GAIN	2.4d.8 (with ground plane)	
TYPE	1/2 wave	type	1/2 wave coil	TYPE	1/2 wave	
VSWR	1.5:1 or less	¥SWR	1.5:1 ar less	¥S₩R	1.5:1 or less	
POWERRATING	200 watts	POWERRATING	200 watts	POWERRATING	200 watts	
COLOR	Black	COLOR	Black	COLOR	Black/Chrome	
WHIP	W 490 B, 100 tape red	擬用律	Order separately	WHIP	W PHW, flex cable	
COAX	17' RG-58A/U	COAX	Order separately	COAX	Order separately	
CONNECTOR	PL-259	MAX HEIGHT	21/2"	MAX HEIGHT	441/2"	
MAX HEIGHT	\$13/4"					





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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
PO 150 BCO	144-174 MHz	PO 150 C	144-174 MHz	PO 150 B	144-174 MHz	
SPECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
GAIN	3dB	GAIN	3dB	GAIN	3dB	
TYPE	5/8 wave coil	TYPE	S/8 wave	type	S/8 wave	
VSWR	1.5:1 or less	¥SWR	1.5:1 ar less	VSWR	1.5:1 or less	
POWERRATING	200 wotts	POWERRATING	200 watts	POWERRATING	200 watts	
COLOR	Block	COLOR	Black/Chrome	COLOR	Black	
WHIP	Order separately	翻印	W 490, .100 topered	熱用物	W 490 B, 100 topered	
COAX	Order separately	COAX	Order separately	COAX	Order separately	
MAX HEIGHT	2 3/2*	MAX HEIGHT	511/2°	MAX HEIGHT	ST1/2"	



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

MODEI	FREQUENCY	MODEI	FREQUENCY	MOD EI	FREQUENCY	
'0150U	144-174 MHz	PO 150 C K	144-174 MHz	PO 150 B K	144-174 WHz	
PECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
ja m	3dB	GAIN	3dB	GAIN	3dB	
YPE	5/8 wave	TYPE	S/8 wave	TYPE	S/8 wave	
swr	1.5:1 or less	¥SWR	1.5tl ar less	¥SWR	1.5:1 or less	
OWERRATING	200 watts	POWERRATING	200 watts	POWERRATING	200 watts	
OLOR	Black	COLOR	Black/Chrome	COLOR	Black	
(HIP	W 490 U, .100 tape red unplated	WHIP	W 490, .100 topered	WHIP	W 490 B, .100 tapered	
OAX	Order separately	COAX	17' RG-58A/U	COAX	17' RG-58A/U	
IAX HEIGHT	511/2"	CONNECTOR	PL-259	CONNECTOR	PL-259	
		MAX HEIGHT	511/2*	MAX HEIGHT	51 1/2"	

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



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

IODEI	FREQUENCY	CONNECTOR	MODEI	FREQUENCY	MODEI	FREQUENCY	
6 220 UD	220-225 MHz	No Conn	KG 220 0/S	220-225 秭Hz	KG 220 UD1/S	220-225 耕北	
G 220 UD FME	220-225 MHz	FME	SPECIFICATIONS		SPECIFICATIONS		
6 220 UD PL	220-225 MHz	PL-259	GAIN	2.5dB	POWERRATING	100 watts	
<b>ECIFICATIONS</b>			TYPE	1/2 wave	COLOR	Black	
AN	2.5dB		VSWR	1,5:1 or less	COAX	14' RGS8/U Dual Shield	
YPE	1/2 wave		POWERRATING	100 watts	CONNECTOR	Order separately	
SWR	1.5:1 ar less		COLOR	Black			
OWERRATING	100 watts		WHIP	W KG 220, .070			
OLOR HIP	Block W KG 220, .070		COAX Max Height	Order separately 26 1/2"			
OAX	14' RG58/U Dual Shi	n lat	MAA NENDIN	2017.2			
AX HEIGHT	26 1/2"	<b>с</b> ни					



Black LA coil only for 220-225 MHz



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

AODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
4 220 BCO	220-225 MHz	LA 220 C	220-225 MHz	LA 220 B	220-225 MHz	
PECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
A/N	3d8	GAIN	3d8	GAIN	3dB	
YPE	S/8 wave coil	TYPE	S/8 wave	TYPE	S/8 wave	
SWR	1.5:1 or less	¥SWR	1.5:1 or less	VSWR	1.5:1 or less	
OWER RATING	200 wotts	POWER RATING	200 watts	POWERRATING	200 watts	
olor	Block	COLOR	Black/Chrome	COLOR	Black	
(HIP	Order separately	WHIP	W 400 .100	松田を	W 400 B, 100	
OAX	Order separately	COAX	Order separately	COAX	Order separately	
IAX HEIGHT	21/2"	MAX HEIGHT	3\$1/2"	MAX HEIGHT	35 1/2"	



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

MODEI	FREQUENCY	DESCRIPTION	FREQUENCY	MODEI	FREQUENCY	
LA 220 C K	220-225 MHz	LA 220 B K	220-225 MHz	LM 220 BCO	220-225 MHz	
SPECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
GAIN	3d8	GAIN	3dB	GAIN	368	
TYPE	5/8 wave	TYPE	S/8 wave	TYPE	S/8 wave cail	
VSWR	1.5:1 or less	¥SWR	1.5:1 or less	¥S₩R	1.5:1 or less	
POWERRATING	200 wetts	POWERRATING	200 watts	POWERRATING	200 watts	
COLOR	Black/Chrome	COLOR	Block	COLOR	Black	
WHIP	W 400, .100	WHP	W 400 B, 100	WHIP	Order separately	
COAX	17' RG-58A/U	COAX	17' RG-58A/U	COAX	Order separately	
CONNECTOR	PL-259	CONNECTOR	PL-259	MAX HEIGHT	23/4"	
MAX HEIGHT	36 1/2"	MAX HEIGHT	36 1/2"			



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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
M 220 C	220-225 MHz	LM 220 B	220-225 MHz	LM 220 C K	220-225 MHz	
PECIFICARIONS		SPECIFICATIONS		SPECIFICATIONS		
iain	3d8	GAIN	3/8	GAIN	3dB	
YPE	5/8 wave	TYPE	S/8 wave	TYPE	S/8 wave	
SWR	1.5:1 or less	VSWR	1.5:1 or less	¥S₩R	1.5:1 or less	
OWERRATING	200 watts	POWERRATING	200 watts	POWERRATING	200 watts	
OLOR	Black/Chrome	COLOR	Black	color	Block/Chrome	
相图	W 400,.100	<b>報出</b> P	W 400 B, .100	数用的	W 400, .100	
OAX	Order separately	COAX	Order separately	COAX	17' RG-58A/U	
IAX HEIGHT	35 3/4"	MAX HEIGHT	<b>35 3/4</b> "	CONNECTOR	PL-259	
				MAX HEIGHT	353/4"	



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

MODEI	FREQUENCY	MODEI	FREQUENCY	CONNECTOR MODEI	FREQUENCY	
LM 220 B K	220-225 MHz	MS U 220 FME	220-225 MHz	FME NMO 220 BCO	220-225 MHz	
SPECIFICARIONS		MS U 220 SMA	220-225 MHz	SMA SPECIFICATIONS		
GAIN	3dB	SPECIFICATIONS		GAIN	3d8	
TYPE	5/8 wave	GAIN	Unity	TYPE	5/8 waxe coil	
VSWR	1.5:1 or less	TYPE	1/4 wave	VSWR	1.5:1 or less	
POWERRATING	200 wotts	VSWR	1.5:1 or less	POWERRATING	200 watts	
COLOR	Black	POWERRATING	SQ watts	COLOR	Black	
WHIP	W 400 B, .100	COLOR	Black	WHIP	Order separately	
COAX	17' RG-58A/U	数用的	W MS 220, .070	COAX	Order separately	
CONNECTOR	PL-259	COAX	12' RG174	MAX HEIGHT	2 1/2"	
MAX HEIGHT	353/4"	MAX HEIGHT	13 1/2"			



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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
NMO 220 C Specifica Rons	220-225 MHz	NMO 220 B Specifications	220-225 MHz	HMO 220 C K SPECIFICATIONS	220-225 MHz	
GAIN TYPE VSWR POWERRATING COLOR WHIP COAX MAX HEIGHT	388 5/8 wave 1.5:1 or less 200 watts Black/Chrome W 400, 100 Order separately 351/2"	GAIN TYPE YSWR POWERRATING COLOR WHIP COAX MAX HEIGHT	3dB 5/8 wave 1.5t at less 200 watts Black W 400 B, 100 Order separately 35 1/2"	GAIN TYPE YSWR POWERRATING COLOR WHIP COAX CONNECTOR MAXHEIGHT	2d8 5/8 wave 1.5:1 ar less 200 watts Black/Chrome W 400, 100 17 RG-58A/U FL-259 351/7	



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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
NMO 220 B K	220-225 MHz	NMO 220 HW BCO	220-225 MHz	NMO 220 C HW	220-225 MHz	
SPECIFICA RONS		SPECIFICATIONS		SPECIFICATIONS		
GAIN	3dB	GAIN	3d8 (with ground plane)	GAIN	3dB (with ground plane)	
TYPE	5/8 wave	TYPE	1/2 wave coil	TYPE	1/2 wave	
VSWR	1.5:1 or less	VSWR	1.5:1 or less	¥SWR	1.5:1 or less	
POWERRATING	200 wotts	POWERRATING	200 watts	POWERRATING	200 watts	
COLOR	Black	COLOR	Block	COLOR	Black/Chrome	
WHIP	W 400 B, .100	WHP	Order separately	醫用物	W 400, .100	
COAX	17° RG-58A/U	COAX	Order separately	COAX	Order separately	
CONNECTOR	PL:259	MAXHEIGHT	35 1/2"	MAX HEIGHT	351/2"	
MAX HEIGHT	351/2"					



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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
NMO 220 BHW	220-225 MHz	OM 220 BCO	220-225 MHz	<b>OM 220 C K</b>	220-225 MHz	
SPECIFICARIONS		SPECIFICATIONS		<b>SPECIFICATIONS</b>		
GAIN	3dB (with ground plane)	GAIN	3dB (with ground plane)	GAIN	3dB(with ground plane)	
TYPE	1/2 wave	TYPE	1/2 wave	TYPE	1/2 wave	
VSWR	1.5:1 or less	VSWR	1.5:1 or less	¥S₩R	1.5:1 or less	
POWERRATING	200 wotts	POWERRATING	200 watts	POWERRATING	200 watts	
COLOR	Black	COLOR	Black	COLOR	Black/Chrome	
WHIP	W 400 B, .100	WHIP	Order separately	難用時	W 400, .100	
COAX	Order separately	COAX	17' RG-58A/U	COAX	17' RG-58A/U	
MAX HEIGHT	351/2"	CONNECTOR	PL-259	CONNECTOR	PL-259	
		MAX HEIGHT	3"	MAXHEIGHT	351/2"	



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

Coil and chrome whip for PO/SO-239 type mounts, 22O-225 MHz, DC ground



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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
PO 220 BCO	220-225 MHz	PO 220 C	220-225 MHz	PO 220 B	220-225 MHz	
SPECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
GAIN	3d8	GAIN	3d8	GAIN	3dB	
TYPE	5/8 wave coil	TYPE	S/8 wave	TYPE	S/8 wave	
¥SWR	1.5:1 or less	¥SWR	1.5:1 or less	¥S₩R	1.5:1 or less	
POWERRATING	200 watts	POWERRATING	200 watts	POWERRATING	200 watts	
COLOR	Black	COLOR	Block/Chrome	COLOR	Black	
WHIP	Order separately	₩₩₽	W 400, .100	WHIP	W 400 B, .100	
COAX	Order separately	COAX	Order separately	COAX	Order separately	
MAX HEIGHT	2 1/2"	MAX HEIGHT	351/4"	MAX HEIGHT	351/4"	



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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
PO 220 C K	220-225 MHz	PO 220 B K	220-225 MHz	MS T FME	144-965 MHz	
SPECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
GAIN	3dB	GAIN	3d8	GAIN	Unity	
TYPE	5/8 wave	TYPE	5/8 wave	TYPE	1/4 wave	
VSWR	1.5:1 or less	¥SWR	1.5:1 or less	¥SWR	1.5:1 or less	
POWERRATING	200 wetts	POWERRATING	200 watts	POWERRATING	SO wotts	
COLOR	Black/Chrome	COLOR	Block	COLOR	Black	
WHIP	W 400, .100	WHIP	W 400 B, .100	₩HIP	W MS T, .070	
COAX	17' RG-58A/U	COAX	17' RG-58A/U	COAX	12' RG174	
CONNECTOR	PL-259	CONNECTOR	P1-259	CONNECTOR	FME CRIMP	
MAX HEIGHT	351/4"	MAX HEIGHT	351/4"	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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
NMOO SPEC	136-512 MHz	NMOQ SPEC B	136-512 MHz	NMOQ SPEC K	136-512 MHz	
SPECIFICATIONS		SPECIFICATIONS		<b>SPECIFICATIONS</b>		
GAIN	Unity	GAIN	Unity	GAIN	Unity	
TYPE	1/4 wave	TYPE	1/4 wave	TYPE	1/4 wave	
VSWR	1.5:1 or less	VSWR	1,5:1 or less	¥SWR	1,5:1 or less	
POWERRATING	200 wetts	POWERRATING	200 watts	POWERRATING	200 watts	
COLOR	Chrome	COLOR	Block	COLOR	Chrome	
WHIP	W 200, .100	WHIP	W 200 B, .100	報用語	W 200, .100	
COAX	Order separately	COAX	Order separately	COAX	17' RG-58A/U	
MAX HEIGHT	22"	MAX HEIGHT	22"	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 NAD mounts, 136-512 MHz

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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
NMOQ C	136-512 MHz	NMOQ B	136-512 MHz	NMOQ ( K	136-512 MHz	
SPECIFICARIONS		SPECIFICATIONS		SPECIFICATIONS		
GAIN	Unity	GAIN	Unity	GAIN	Unity	
TYPE	1/4 wave	TYPE	1/4 wave	TYPE	1/4 wave	
¥SWR	1.5:1 or less	¥SWR	1,5:1 or less	¥SWR	1.5:1 or less	
POWER RATING	200 watts	POWERRATING	200 watts	POWERRATING	200 watts	
COLOR	Black/Chrome	COLOR	Black	COLOR	Black/Chrome	
WHIP	W 200, .100	WHIP	W 200 B, .100	WHIP	W 200, .100	
COAX	Order separately	COAX	Order separately	COAX	17' RG-58A/U	
MAX HEIGHT	23"	MAX HEIGHT	23*	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 LMor LA style mounts

Black "Q" base 1/4 wave antenna for LNor LA style mounts

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
PQ	136-512 MHz	Q	136-512 MHz	QB	136-512 MHz	
SPECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
GAN	Unity	GAIN	Unity	GAIN	Unity	
TYPE	1/4 wave	type	1/4 wave	TYPE	1/4 wave	
VSWR	1.5:1 or less	¥SWR	1.5:1 or less	VSWR	1.5:1 or less	
POWER RATING	200 wotts	POWERRATING	200 watts	POWERRATING	200 watts	
COLOR	Chrome	COLOR	Chrome	COLOR	Black	
WHP	W 200, .100	WHIP	W 200, .100	WHIP	W 2008, .100	
COAX	Order separately	COAX	Order separately	COAX	Order separately	
MAX HEIGHT	22"	MAX HEIGHT	22*	MAX HEIGHT	22"	

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 5/1 6-24 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



KG UHF glass mount antenna outside coupler and whip

Complete KG UHF glass mount antenna with

соах

Complete KG UHF glass mount antenna with coax and connector

MODEI	FREQUENCY	WHIP	MODEI	FREQUENCY	WHIP	MODEI	FREQUENCY	WHIP	
KG 406 0/S	406-420 MHz	W KG 406	KG 406 UD	406-420 MHz	W KG 406	KG 406 UD PL	406-420 MHz	W KG 406	
KG 420 0/S	420-440 MHz	W KG 420	KG 420 UD	420-440 MHz	W KG 420	KG 420 UD PL	420-440 MHz	W KG 420	
KG 440 0/S	440-460 MHz	W KG 440	KG 440 UD	440-460 MHz	W KG 440	KG 440 UD PL	440-460 MHz	W KG 440	
KG 450 0/S	450-470 MHz	W KG 450	KG 450 UD	450-470 MHz	W KG 450	KG 450 UD PL	450-470 MHz	W KG 450	
KG 470 0/S	470-490 MHz	W KG 470	KG 470 UD	470-490 MHz	W KG 470	KG 470 UD PL	470-490 MHz	W KG 470	
KG 490 0/S	490-512 MHz	W KG 490	KG 490 UD	490-512 MHz	₩ KG 490	KG 490 UD PL	490-512 MHz	W KG 490	
SPECIFICATIONS			SPECIFICATIONS			SPECIFICATIONS			
GAIN	2.SdB		GAIN	2.5dB		GAIN	2.5d8		
TYPE	1/2 wave		TYPE	1/2 wave		TYPE	1/2 wave		
YSWR	1.5:1 or less		VSWR	1.5:1 of less		VSWR	1.5:1 or less		
OWERRATING	100 watts		POWERRATING	100 watts		POWERRATING	100 watts		
COLOR	Black		COLOR	Block		COLOR	Black		
WHIP	0.070		WHIP	0.070		₩HIB	0.070		
<b>.04</b> X	Order separately	(	COAX	14 RG-58/U Da	ial Shield	COAX	14 RG-58/U Du	al Shield	
AAX HEIGHT	15*		CONNECTOR	Order separate	ely.	CONNECTOR	PL259T		
			MAX HEIGHT	15*		MAX HEIGHT	<b>5</b> "		



Inside coupler with coax for KG UHF glass mount antenna



Gray base only for LA UHF antennas





MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	WHIP	
KG UHF UD 1/5 Specifications	406-512 MHz	LA UHF BASE Specifications	406-512 MHz	LA 406 C La 420 C	406-420 MHz 420-440 MHz	W 152 W 153	
TYPE	Inside coupler	TYPE	Base anly	LA 420 C	440-460 MHz	W 154	
POWERRATING COLOR	100 wotts Black	POWERRATING COLOR	200 watts	LA 450 C La 470 c	450-470 MHz 470-490 MHz	W 155 W 156	
COAX	14 RG·S8/U Duci Shield	WHIP	Gray Various UHF collinear whips	LA 490 C	490-512 MHz	W157	
CONNECTOR	Order separately	COAX Max height	Order separately 11/2*	SPECIFICATIONS GAIN	4.5dB		
		MAA HEIGHI	1.0 2	TYPE	5/8 over 1/2 w	lane	
				VSWR Powerrating	1.5.1 or less 200 watts		
				COLOR	200 wants Gray/Chrome		
				WHIP	.100, enc coil		
				COAX Max height	Order separate 33"	ly	



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

MODEI	FREQUENCY	WHIP	MODEI	FREQUENCY	MODEI	FREQUENCY	WHIP	
LA 406 C K	406-420 MHz	W152	LM UHF BASE B	406-512 MHz	LM 406 C	406-420 MHz	W 152	
LA 420 C K	420-440 MHz	W 153	SPECIFICATIONS		🐘 LM 420 C	420-440 MHz	W 153	
LA 440 C K	440-460 MHz	W154	type	Base only	LM 440 C	440-460 MHz	W 154	
LA 450 C K	450-470 MHz	₩ 155	<b>POWER RATING</b>	200 watts	LM 450 C	450-470 MHz	W 155	
LA 470 C K	470-490 MHz	W156	COLOR	Black	LM 470 C	470-490 MHz	W 156	
LA 490 C K	490-512 MHz	W 157	WHIP	Various UHF callinear whips	LM 490 C	490-512 MHz	W 157	
SPECIFICATIONS			COAX	Order separately	SPECIFICATIONS			
GAIN	4.5dB		MAX HEIGHT	2"	GAIN	4.5dB		
TYPE	5/8 over 1/2 v	Valve			TYPE	5/8 over 1/2	vave	
¥S₩R	1.5:1 or less				¥SW R	1.5:1 ot less		
POWERRATING	200 watts				POWERRATING	200 watts		
COLOR	Gray/Chrome				COLOR	Black/Chrome		
WHIP	.100, enc coil				WHIP	.100, enc coil		
CDAX	17° RG-58A/U				COAX	Order separate	ły	
CONNECTOR	PL-259				MAX HEIGHT	33"		
MAX HEIGHT	33"							



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

MODEI	FREQUENCY	WHIP	MODEI	FREQUENCY	WHIP	MODEI	FREQUENCY	WHIP	
LM 406 C K	406-420 MHz	W 152	LM 406 B	406-420 MHz	W 142 B	LM 450 B K	450-470 MHz	W 142 B	
LM 420 C K	420-440 MHz	W 153	LM 420 B	420-440 MHz	W 143 B	LM 420 B K	420-440 MHz	W 143 B	
LM 440 C K	440-460 MHz	W 154	LM 440 B	440-460 MHz	W 344 B	LM 440 B K	440-460 MHz	W 144 B	
LM 450 C K	450-470 MHz	W 155	LM 450 B	450-470 MHz	W 145 B	LM 450 B K	450-470 MHz	W 145 B	
LM 470 ( K	470-490 MHz	W 156	LM 470 B	470-490 MHz	W 146 B	LM 470 B K	470-490 MHz	W 146 B	
LM 490 C K	490-512 MHz	W 157	LM 490 B	490-512 MHz	₩ 147 B	LM 490 B K	490-512 MHz	W 147 B	
SPECIFICATIONS			SPECIFICATIONS			SPECIFICATIONS			
SAIN	4.5dB		GAIN	3dB		GAIN	368		
YPE	5/8 over 1/2 v	wave	TYPE	5/8 over 1/4 v	wave	TYPE	5/8 over 1/4 v	AGAG	
SWR	1.5:1 or less		VSWR	1.5:1 or less		<b>VSWR</b>	1.5:1 or less		
OWERRATING	200 watts		POWERRATING	200 watts		POWER RATING	200 watts		
OLOR	Black/Chrome		COLOR	Block		COLOR	Black		
WHIP	.100, enc coil		WHIP	.100, open coil	*************************************	WHIP	.100, open coil		
DAX	17° RG-58A/U		CDAX	Order separate	ily.	COAX	17' RG-SBA/U		
ONNECTOR	PL-259		MAX HEIGHT	30*		CONNECTOR	PL-259		
AAX HEIGHT	33"					MAX HEIGHT	30°		



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

MODEI	FREQUENCY	WHIP	MODEI	FREQUENCY	WHIP	MODEI	FREQUENCY	
LMC 4060	406-420 MHz	W152	LMC 4060 B	406-420 MHz	W 142 B	MHW 406 BCD	406-420 MHz	
LMC 4200	420-440 MHz	W 153	LMC 4200 B	420-440 MHz	W 143 B	MHW 450 BCO	450-470 MHz	
LMC 4400	440-460 MHz	W154	LMC 4400 B	440-460 MHz	W 144 B	SPECIFICATIONS		
LMC 4500	450-470 MHz	W 155	LMC 4500 B	450-470 MHz	W 145 B	TYPE	1/2 wave call	
LMC 4700	470-490 MHz	W 156	LMC 4700 B	470-490 MHz	W 146 B	VSWR	LS:1 or less	
LMC 4900	490-512 MHz	W 157	LMC 4900 B	490-512 MHz	W 147 B	POWER RATING	200 watts	
SPECIFICATIONS			SPECIFICATIONS			color	Black	
GAIN	4.5dB		GAIN	368		₩HIP	Order separately	
TYPE	5/8 over 1/2 v	Nave	TYPE	5/8 over 1/4	wave	COAX	Order separately	
VSWR	1.5:1 of less		<b>V</b> SWR	1.5:1 of less		MAX HEIGHT	21/2*	
POWERRATING	200 wotts		POWER RATING	200 wotts				
COLOR	Chrome		COLOR	Block				
WHIP	.100, enc coil		WHIP	.100, open coi	1			
COAX	Order separate	ιłγ	COAX	Order separat	ely			
MAX HEIGHT	32*		MAX HEIGHT	29"				



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

MODEI	FREQUENCY	WHIP	MODEI	FREQUENCY	WHIP	MOD EI	FREQUENCY	WHIP	
WHW 406 C MHW 450 C Specifications Gain Type	406 420 MHz 450-470 MHz 4.5dB 1/2 wave	W 158 W 161	MM 406 C FME MM 420 C FME MM 440 C FME MM 450 C FME MM 450 C FME	406-420 MHz 420-440 MHz 440-460 MHz 450-470 MHz 470-490 MHz	W 152 W 153 W 154 W 155 W 156	MM 3 406 FME MM 3 420 FME MM 3 440 FME MM 3 440 FME MM 3 450 FME MM 3 470 FME	406-420 MHz 420-440 MHz 440-460 MHz 450-470 MHz 470-490 MHz	W 142 B W 143 B W 144 B W 145 B W 146 B	
VSWR POWERRATING COLOR WHIP	1.5:1 at less 200 watts Black/Chrome .100, enc coll		MM 490 C FME Specifications Gain Type	490-512 MHz 4.5dB 5/8 over 1/2 v	W 157	MM 3 490 FME Specifications Gain Type	490-512 MHz 3dB 5/8 over 1/4	W 147 B	
COAX Max Height	Order separately 31 3/4"	,	VSWR POWERRATING COLOR WHIP COAX	1.5:1 at less 200 watts Black/Chrome .100, enc call 12' RG-58A/U		VSWR POWERRATING COLOR WHIP COAX	1.5:1 or less 200 watts Black .100, open cail 12' RG-58A/U		1
			CONNECTOR Pull Strength Max Height	FME CRIMP S4lbs 33*		CONNECTOR Pull Strength Max Height	FME CRIMP S4ibs 30"		







Black base only for NMO mounts, 406-512 MHz





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

MODEI	FREQUENCY	WHIP	MODEI	FREQUENCY	MODEI	FREQUENCY	WHIP	
MSU406 FME	406-420 MHz	W MSU406	NMO UHF BASE B	406-512 MHz	NMO 486 C	406-420 MHz	₩152	
MSU420 FME	420-440 MHz	W MSU450	SPECIFICATIONS		NMO 420 C	420-440 MHz	W 153	
WSU440 FME	440-460 MHz	W MSU440	TYPE	Base anly	NMO 440 (	440-460 MHz	W 154	
ASU450 FME	450-470 MHz	W MSU450	POWERRATING	200 watts	NMO 450 C	450-470 MHz	W 155	
WSU470 FME	470-490 MHz	W MSU470	COLOR	Black	NMO 470 C	470-490 MHz	W 156	
ASU490 FME	490-512 MHz	W M5U490	WHIP	Various UHF callinear whips	NMO 490 C	490-512 MHz	W157	
PECIFICATIONS			COAX	Order separately	SPECIFICATIONS			
AW	Unity		MAXHEIGHT	2"	GAIN	4.SdB		
YPE	1/4 wave				TYPE	5/8 ovet 1/2 w	IVE	
SWR	1.5:1 of less				<b>VSWR</b>	1.5:1 or less		
OWERRATING	50 watts				POWER RATING	200 watts		
DLOR	Block				COLOR	Block/Chrome		
OAX	12' RG174				MH1 <b>5</b>	.100, enc coil		
ONNECTOR	FMECRIMP				COAX	Order separatel	¥	
ULL STRENGTH	18.				MAX HEIGHT	33°		



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

MODEI	FREQUENCY	WHIP	MODEI	FREQUENCY	WHIP	MODEI	FREQUENCY	WHIP	
NMO 406 C K	406-420 MHz	W152	NMO 406 B	406-420 MHz	W 142 B	NMO 406 B K	406-420 MHz	W 142 B	
NMO 420 C K	420-440 MHz	W 153	NMO 420 B	420-440 MHz	W 143 B	NMO 420 B K	420-440 MHz	W 143 B	
NMO 440 C K	440-460 MHz	W 154	NMO 440 B	440-460 MHz	W 144 B	NMO 440 B K	440-460 MHz	W 144 B	
NMO 450 C K	450-470 MHz	W 155	NMO 450 B	450-470 MHz	W 145 B	NMO 450 B K	450-470 MHz	W 145 B	
NMO 470 C K	470-490 MHz	W156	NMO 470 B	470-490 MHz	W 146 B	NMO 470 B K	470-490 MHz	W 146 B	
NMO 490 C K	490-512 MHz	W 157	NMO 490 B	490-512 MHz	W 147 B	NMO 490 B K	490-512 MHz	W 147 B	
SPECIFICATIONS			SPECIFICATIONS			SPECIFICATIONS			
GAIN	4.5dB		GAIN	348		GAIN	368		
TYPE	5/8 over 1/2 v	Nave	TYPE	5/8 over 1/4	wave	TYPE	5/8 over 1/4 v	Nave	
VSWR	1.5:1 of less		¥S₩R	1.5:1 or less		¥S₩R	1.5:1 or less		
POWERRATING	200 watts		POWERRATING	200 watts		POWER RATING	200 watts		
COLOR	Black/Chrome		COLOR	Black		COLOR	Black		
WHIP	.100, enc coil		WHIP	.100, open coi	(	WHIP	,180, open coil		
COAX	17' RG-58A/U		COAX	Order separat		COAX	17' RG-58A/U		
CONNECTOR	PL-259		MAX HEIGHT	30*		CONNECTOR	PL-259		
MAX HEIGHT	33"					MAX HEIGHT	30"		



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

MODEI	FREQUENCY	MODEI	FREQUENCY	WHIP	MODE	FREQUENCY	
HAO 406 HW BCO NMO 450 HW BCO NMO 490 HW BCO Specifications Type Powerrating Color Whip Coax Max Height	406-440 MHz 440-490 MHz	NMD 406 C HW NMD 420 C HW NMD 420 C HW NMD 440 C HW NMD 450 C HW NMD 470 C HW NMD 470 C HW Strentations Gain Type VSWR Power Rating Color Whip Coax Connector Max Height	406-420 MHz 420-440 MHz 440-460 MHz 450-470 MHz 470-490 MHz 470-490 MHz 490-512 MHz 5.5dB (with grou 1/2 wave 1.5.1 at less 200-watts Black/Chrome 100; enc call Order separately 0rder separately 351/2"	W 158 W 159 W 160 W 161 W 162 W 163 nd plane}	NMO 450 5/8 C SPECIFICATIONS GAIN TYPE YSWR POWERRATING COLOR WHIP COAX MAX HEIGHT	450-470 MHz 3dB 5/ B wave 1.5:1 or less 200 watts Black/Chrome W 170, 300, non topered Order separately 19"	



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

MODEI	FREQUENCY	MODEI	FREQUENCY	WHIP	MODEI	FREQUENCY	
IM 406 BCO	406-440 MHz	OM 405 C K	406-420 MHz	W 158	NMO WB 406C	406-470 MHz	
M 450 BCO	440-490 MHz	OM 420 C K	420-440 MHz	W 159	SPECIFICATIONS		
M 490 BCO	490-512 MHz	OM 440 C K	440-460 MHz	W 160	GAIN	3.5 dB	
PECIFICATIONS		OM 450 C K	450-470 MHz	W 161	type	Wide band	
(PE	1/2 wave coil	OM 470 C K	470-490 MHz	W 162	VSWR	2.0:1 or less	
SWR	1.5:1 or less	OM 490 C K	490-512 MHz	W 163	BANDWIDTH @ 1.5:1	30 MHz	
DWERRATING	200 watts	SPECIFICATIONS			POWER	200 watts	
OLOR	Black	GAIN	5.5d8 (with g	round plane)	COLOR	Black/Chrome	
eh 1 P	Order separately	TYPE	1/2 wave		COAX	Order Separately	
DAX	17' RG-58A/U	<b>A</b> 2MB	1.5:1 at less		MAX HEIGHT	351/2"	
ONNECTOR	P1259	POWERRATING	200 watts				
AX HEIGHT	4"	COLOR	Black/Chrom	e			
		WHI5	.100, enc cail				
		COAX	17° RG-58A/U				
		MAX HEIGHT	351/2*				



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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	WHIP	
	406:470 MHz	PO UHF BASE B	406-512 MHz	PO 406 C	406-420 MHz	W 152	
SPECIFICATIONS	I	SPECIFICATIONS		PO 420 C	420-440 MHz	W 153	
GAIN Type	3.5 dB Wide band	TYPE	Coil only	PO 440 C PO 450 C	440-450 MHz 450-470 MHz	W 154 W 155	
VSWR	Wide Bana 2.0:1 or less	POWERRATING	200 watts Dis di	PO 470 C	430-490 MHz	₩156	
BANDWIDTH @ 1.5:1		COLOR WHIP	Black Order separately	PO 490 C	490-512 MHz	W 157	
POWER	200 watts	COAX	Order separately	SPECIFICATIONS			
COLOR	Black/Chrome	MAXHEIGHT	21/2"	GAIN	4.5d8		
CDAX	17° RG 58A/U			type	5/8 over 1/2 w	3ve	
CONNECTOR	PL259			¥SWR	1.5:1 or less		
MAXHEIGHT	351/2"			POWER RATING	200 watts		
				COLOR	Black/Chrome		
				WHIP COAX	.100, enc coil		
				MAX HEIGHT	Order separatel 313/4"	<b>y</b>	



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

MODE	FREQUENCY	WHIP	MODEI	FREQUENCY	WHIP	MODEI	FREQUENCY	WHIP	
PO 406 B	406-420 MHz	W 142 B	PO 406 C K	406-420 MHz	W 152	PO 406 B K	406-420 MHz	W 152	
PO 420 B	420-440 MHz	₩143 B	PO 420 C K	420-440 MHz	W 153	PO 420 B K	420-440 MHz	W 153	
PO 440 B	440-450 MHz	W 144 B	PO 440 C K	440-450 MHz	W 154	PO 440 B K	440-450 MHz	W 154	
PO 450 B	450-470 MHz	W 145 B	PO 450 C K	450-470 MHz	W 155	PO 450 B K	450-470 MHz	W 155	
PO 470 B	470-490 MHz	W 146 B	PO 470 C K	470-490 MHz	W 156	PO 470 B K	470-490 AHz	W 156	
PO 490 B	490-512 MHz	W 147 B	PO 490 C K	490-512 MHz	W 157	PO 490 B K	490-512 桶12	W157	
SPECIFICATIONS			SPECIFICATIONS			SPECIFICATIONS			
аN	3dB		GAIN	4.5d8		GAIN	4.5d8		
YPE	5/8 over 1/4 1	wave	type	5/8 over 1/2	MGA6	T¥PE	5/8 over 1/2	wave	
SWR	LS:1 or less		VSWR	1.5:1 or less		VSWR	1.5:1 or less		
OWER RATING	200 watts		POWERRATING	200 watts		POWERRATING	200 watts		
olor	Black		COLOR	Black/Chrom	e	COLOR	Black		
/HIP	.100, open coil		WHIP	.100, enc coil		WHIB	.100, enc coil		
OAX	Order separati		COAX	17' RG-58A/U		COAX	17' RG-58A/U		
IAX HEIGHT	30"		CONNECTOR	PL259		CONNECTOR	PL259		
			MAX HEIGHT	313/4"		MAX HEIGHT	313/4*		
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



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

MODEI	FREQUENCY	PACKAGING	MODEI	FREQUENCY	MODEI	FREQUENCY	CONNECTOR
AROOOI	824-896 MHz	Retail	ES 806	806-866 MHz	ES 806 TLP	806-866 MHz	No Coon
R0004	824-896 MHz	Paly bag	ES 825	824-896 MHz	ES 806 TLP MPL	806-866 MHz	MPL
SPECIFICATIONS			ES 900	890-960 MH2	ES 825 TLP	824-896 MHz	No Conn.
SAIN	3d8		SPECIFICATIONS		ES 825 TLP FME	824-896 MHz	FME
IYPE	5/8 over 1/2 wa	ve	GAIN	3dB	ES 825 TUP MPL	824-896 MHz	<b>林</b> 纪
/SWR	1.5:1 or less		TYPE	5/8 over 1/4 wave	ES 825 TLP TNC	824-896 MHz	TNC
TOLOR	Black		¥SWR	1.5:1 or less	ES 900 TLP	890-960 MHz	No Com.
NHIP	.070, enc. coli		COLOR	Black	SPECIFICATIONS		
COAX	RG-174		WHIP	.100, open coll	GAIN	3dB	
BASESIZE	1,37° x 1.87″		COAX	Order separately	TYPE	5/8 over 1/4 wave	
POWERRATING	7 watts		POWER RATING	35 watts	¥SWR	1.5:1 or less	
MAX HEIGHT	13ª		MAX HEIGHT	21"	COLOR	Black	
					WH18	.100, open coil	
					COAX	1' RG174, 16' RG-58	/U Dual Shield
					POWERRATING	35 watts 21"	



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

MODEI	FREQUENCY	MODEI	FREQUENCY	CONNECTOR MODEL	FREQUENCY	CONNECTOR
EF8065NMO EF8755NMO EF9005NMO SPECIFICARONS GAIN TYPE YSWR COLOR WHIP COAX POWERRATING MAX HEIGHT	606-866 MHz 824-876 MHz 890-960 MHz 3dB 5/8 over 1/4 wave 153 ot less Black/Chrome 100, open coil Order separately 60 walts 26*	EFBOGSTLPMPL EFBOGSTLPTNC EFB25STLPFME EFB25STLPFME EFB25STLPTNC EF900STLP SPECIFICATIONS GAIN TYPE VSWR COLOR WHIP COAX POWERRATING MAX HEIGHT	806-866 MHz 806-866 MHz 824-896 MHz 824-896 MHz 824-896 MHz 890-960 MHz 3dB 5/8 ever 1/4 wave 13:1 or less Black 100, open coll 1º RG174, 16' RG-58/ 60 watts 27"	MPL EFBO6SNN TNC EF825SNM FME EF900SNN MPL SPFERFOR TNC GAIN No Conn TYPE YSWR COLOR WHIP COAX POWERRA MAX HEIG U Dual Shield	0MB 824-896 MHz 0MB 890-960 MHz 0GNS 3dB 578 over 1/4 war 1.53 or less Black / Chrome 300, open coll 17 RG-5870 Dual TING 60 watts	



NMO style spring base elevated feed antenna  $w/{\rm cable}$ 

Direct feed spring base elevated feed antenna w/cable

Mirror mount spring base elevated feed antenna w/cable

MODEI	FREQUENCY	CONNECTOR	MODEI	FREQUENCY	CONNECTOR	MODEI	FREQUENCY	CONNECTOR
EF806SNMOUD	806-866 MHz	No Conn	EF806S	806-866 MHz	No Conn.	EF806SMB	806-866 MHz	No Conn.
efrogsnmoudmpl	806-866 MHz	MPL	EF8255	824-896 MHz	No Conn.	EF825SMB	824-896 MHz	No Com.
EF806SNAAOUDTNC	806-866 MHz	TNC	EF900S	890-960 MHz	No Coan.	EF900SMB	890+960 MHz	No Conn.
EF825SNMOUD	824-896 MHz	No Com.	SPECIFICATIONS			SPECIFICATIONS		
EF8255NMOUDMPL	824-896 MHz	ЖPL	GAIN	錋		GAIN	3/8	
EF825SNMOUDTNC	824-896 MHz		TYPE	5/8 gyer 1/2 waye		TYPE	5/8 over 1/2 wave	
EF900SNMOUD	890-960 MHz	No Conn.	VSWR	1.5:1 or less		¥SWR	1.5:1 or less	
SPECIFICATIONS			COLOR	Block/Chrome		COLOR	Black/Chrome	
GAIN	3dB		WHIP	.100, open coil		WHIP	.100, open coll	
TYPE	5/8 over 1/4 wave		COAX	14' RG-58/U Duol Shield		COAX	14' RG-58/U Duol Shiel	d
VSWR	15:1 or less		POWER RATING	60 watts		POWER RATING	60 watts	
COLOR	Black/Chrome		MAX HEIGHT	97ª		MAX HEIGHT	27"	
WHIP	.100, open coil							
COAX	17' RG-58/U Duol Shiel	đ						
POWERRATING	60 watts							
MAX HEIGHT	26°							



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* 

MODEI	FREQUENCY	CONNECTOR	Modei	FREQUENCY	CONNECTOR	MODEI	FREQUENCY	CONNECTOR
GP0001	824-896 #Hz	FME Female	GP0009	874-896 MHz	FME Female	GP0005	824-896 MHz	FIXE Fernole
SPECIFICATIONS			SPECIFICATIONS			SPECIFICATIONS		
GAIN	Unity		GAIN	Unity		COAX	8" RG-174	
TYPE	1/4 wave		TYPE	1/4 wave				
VSWR	1.5:1 or less		VSWR	1.5:1 or less				
COLOR	Black		COLOR	Black				
WHIP	Molded mag mount anten	68	WHIP	Molded mag moun	antenno			
COAX	12° RG174		COAX	12' RG 174				
BASE SIZE	4"h x 1 1/4"d		BASE SIZE	4"h x 1 1/4"d				
POWERRATING	7 watis		POWERRATING	7 watts				
MAX HEIGHT	4*		MAXHEIGHT	4°				



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

MODEI	FREQUENCY	CONNECTOR	MODEI	FREQUENCY	CONNECTOR	§ MODEI	FREQUENCY	CONNECTOR
P0002	824-876 MHz	FME Female	GP0010	824-896 MHz	FME Femole	GP0006	874-896 MHz	FME Fernole
PECIFICATIONS			SPECIFICATIONS			SPECIFICATIONS		
AIN	Unity		GAIN	Unity		COAX	8° RG-174	
YPE	1/4 wave		TYPE	1/4 wave				
SWR	1.5:1 or less		¥SWR	1.5;1 or less				
OLOR	Block		COLOR	Black				
(HIP	Molded mag mount ante	100	WHIP	Molded mag mount i	anteana			
OAX	12' RG174		COAX	12' RG174				
ASE SIZE	4"h x 3 3∕ 4"d		BASE SIZE	4"h x 11/4"d				
DWERRATING	7 watts		POWERRATING	7 watts				
AX HEIGHT	4•		MAX HEIGHT	4ª				



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

MODEI	FREQUENCY	ONNECTOR 🎆 MODEI	FREQUENCY	CONNECTOR 🎆 MODEI	FREQUENCY	CONNECTOR
P0003	874-896 MHz F	ME Fermile GPOOT	824-896 MHz	FME Femole GP0007	874-896 MHz	FME Fernole
SPECIFICATIONS		SPECIFICATION		SPECIPICATIO	NS.	
аn	Unity	GAN	Unity	COAX	8° RG-174	
YPE	1/4 wave	TYPE	1/4 wave			
SWR	15:1 or less	VSWR	15:1 or less			
OLOR	Black	COLOR	Black			
VHIP	Molded mag mount antenn	a WHP	Molded mag mount	antenna		
OAX	12° RG174	COAX	12' R6174			
ASE SIZE	4"h x 1 1/4"d	BASE SIZE	4"h x 1 1/4"d			
OWERRATING	7 watts	POWER RATING	7 watts			
IAX HEIGHT	4°	MAX HEIGHT	4°			



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* 

atchications specifications specifications	AODEI	FREQUENCY	CONNECTOR 🎇	쭳 MODEI	FREQUENCY	CONNECTOR	📓 MODEI	FREQUENCY	CONNECTOR
KPE 1/4 wave TYPE 1/4 wave   SWR L51 or less YSWR L51 or less   DLOR Black COLOR Black   HIP Molded mag mount antenna WHIP Molded mag mount antenna   DAX 12 RG1/4 COAX 12 RG1/4   KSE SIZE 4"h x 11/4"d BASE SIZE 4"h x 11/4"d   DWERRATING 7 watts POWER RATING 7 watts	POO16 Pecifications	874-896 MHz	FME Female		874-896 MHz	FME Femole		874-896 MHz	FME Female
SWR 1,51 or less VSWR 1,51 or less DLOR Block COLOR Block HTP Molded mag mount antenna: WHIP Molded mag mount antenna DAX 12: RG1/4 COAX 12: RG1/4 ISE SIZE 4"h x 11/4"d BASE SIZE 4"h x 11/4"d DWERRATING 7 waits POWER RATING 7 waits	AN	Unity		GAN	Unity		COAX	8° RG-174	
Stork COLOR Black   HIP Molded mag mount antenna WHIP Molded mag mount antenna   DAX 12 RG1/4 CDAX 12 RG1/4   SE SIZE 4% x 11/4% BASE SIZE 4% x 11/4%   WERRATING 7 watts POWER RATING 7 watts	(PE	1/4 wave		TYPE	1/4 wave				
HIP Molded ring mount antenna WHIP Molded ring mount antenna DAX 12: RG1/4 COAX 12: RG1/4 ISE SIZE 4°th x 1 1/4°tí BASE SIZE 4°th x 1 1/4°tí DWERRATING / watts POWER RATING / watts	SWR	1.5:1 or less		VSWR	1.5:1 or less				
DAX 12: RG1/4 CDAX 12: RG1/4 ISE SIZE 4"h x 1 1/4"d BASE SIZE 4"h x 1 1/4"d DWERRATING 7 works POWER RATING 7 works	MOR	Black		COLOR	Black				
DAX 12: RG1/4 CDAX 12: RG1/4 ISE SIZE 4"h x 1 1/4"d BASE SIZE 4"h x 1 1/4"d DWERRATING 7 works POWER RATING 7 works	HIP	Molded mag mount anten	ng	WHIP	Molded mag mount ant	eang			
WERRATING 7 works POWER RATING 7 works	ЪАХ			COAX					
	ASE SIZE	4"h x 1 1/4"d		BASE SIZE	4"h x 31/4"d				
AX HEIGHT 4" MAX HEIGHT 4"	DWERRATING	7 wetts		POWER RATING	7 watts				
	AX HEIGHT	4*		MAX HEIGHT	4"				



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

MODEI	FREQUENCY	ONNECTOR	FREQUENCY	CONNECTOR	FREQUENCY	CONNECTOR
ip0017	824-896 MHz F	ME Female GP0021	824-896 MHz	FME Female GP0014	824-896 MHz	FME Female
PEOFICATIONS		SPECIFICATIONS		SPECIFICATIO	65	
<b>AN</b>	Unity	GAIN	Unity	COAX	8° RG-174	
¥PE	1/4 wave	TYPE	1/4 wave			
SWR	1.5:1 or less	VSWR	1.5:1 or less			
ØLOR	Black	COLOR	Black			
AH P	Molded mag mount anten	na WHIP	Molded mag mount ar	itenna		
OAX	12' RG174	COAX	12 RG174			
ASE SIZE	4"hx11/4"d	BASE SIZE	4"hx11/4"d			
OWER RATING	7 watts	POWERRATING	7 watts			
IAX HEIGHT	4"	MAX HEIGHT	4°			



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

MODEI	FREQUENCY	CONNECTOR	👹 MODEI	FREQUENCY	CONNECTOR	📓 MODEI	FREQUENCY	CONNECTOR
P0019	874-896 MHz	FME Female	GP0023	874-896 MHz	FME Femole	GP0025	874~896 MHz	FME Female
PECIFICATIONS			SPECIFICATIONS			SPECIFICATION	<u>s</u>	
AN	Unity		GAIN	Unity		COAX	8" RG-174	
YPE	1/4 wave		TYPE	1/4 wave				
SWR	1.5:1 or less		VSWR	1.5:1 or less				
OLOR	Black		COLOR	Black				
nhip	Molded mag mount an	tenna	WHIP	Molded mag mount	antenna			
OAX	12 RG174		COAX	12' RG174				
ASE SIZE	4"h x 1 1/4"d		BASE SIZE	4"h x 11/4"d				
DWERRATING	7 watts		POWERRATING	7 watts				
AX HEIGHT	4°		MAXHEIGHT	4°				



Unity gain glass mount antenna

Retail pack, unity gain glass mount antenna with connectors

Outside base & whip for unity KG glass mount antenna

MODEI	FREQUENCY	CONNECTOR	MODEI	FREQUENCY	CONNECTOR	MODEI	FREQUENCY	
KG U 825 UD	806-896 MHz	No Conn.	KGU82SUDMPL RP	806-896 MHz	MPL	KG U 825 0/S	806-896 MHz	
KG U 875 UD FME	806-896 MHz	EME	KGU825UDTNC RP	806-896 MHz	ŢŅĊ	KG U 900 0/S	890-960 MHz	
KG U 825 UD MPL	806-896 MHz	ANPL.	KGU82SUDFME RP	806-896 MHz	FME w/TNC.MPL	SPECIFICATIONS		
KG U 825 UD TNC	806-896 MHz	TNČ			adapt	GAIN	Unity	
KG U 900 UD	890-960 MHz	No Conn.	SPECIFICATIONS			TYPE	1/2 wave	
KG U 900 FME	890-960 MHz	FME	GAIN	Unity		AZMK	1,5:1 or less	
SPECIFICATIONS			TYPE	1/2 wave		COLOR	Black	
GAN	Unity		<b>VSWR</b>	15:1 or less		WHIP	.070. spike	
TYPE	1/2 wove		COLOR	Black		<b>BASE SIZE</b>	137" x 1.87"	
VSWR	1.5:1 or less		WHIP	.070, spike		POWERRATING	100 watts	
COLOR	Black		COAX	14' RG-58/U Du	l Shield	MAX HEIGHT	4.5°	
WHIP	070, spike		BASE SIZE	1.37" x 1.87°				
COAX	14' RG-58/U Dual Shield	E	POWERRATING	300 watts				
BASESIZE	1,37° x 1,87°		MAX HEIGHT	4.5"				
POWERRATING	100 wetts							
MAX HEIGHT	4,5*							



Standard glass mount gain antenna

Retail pack, standard glass mount gain antenna with connector

Outside base & open coil whip KG glass mount antenna

Modei	FREQUENCY	CONNECTOR	MODEI	FREQUENCY	CONNECTOR	S MODEI	FREQUENCY	
ig 875 UD	806-896 MHz	No Conn.	KG82SUDFME RP	806-896 MHz FM	E w/TNC, MPL	KG 825 0/S	806-8% MHz	
G 825 UD FME	806-696 MHz	FME			adapt.	KG 900 0/S	890-960 MHz	
G 825 UD MPL	806-896 MHz	MPL	KG 825 UD MPL RP	806-896 MHz	MPL	SPECIFICATIONS		
6 825 UD TNC	806-896 MHz	TNC	KG 825 UD TNC RP	806-896 MHz	TNC	GAIN	3dB	
G 900 UD	890-960 MHz	No Conn.	SPECIFICATIONS			TYPE	5/8 over 1/2 wave	
6 900 UD FME	890-960 MHz	FAAE	GAIN	3dB		VSWR	1.5:1 or less	
G 900 UD MPL	890-960 MHz	MPL	TYPE	5/8 over 1/2 wave		COLOR	Black	
16 900 UD TNC	890-960 MHz	TNC	VSWR	1.5:1 or less		WHIP	.070, open coll	
SPECIFICATIONS			COLOR	Black		BASE SIZE	1.37" x 1.87"	
<b>AN</b>	3d8		WHIP	070, open coil		POWERRATING	100 watts	
YPE	5/8 over 1/2 wave		COAX	14' RG-58/U Dual Shie	łd	MAX HEIGHT	14.5°	
ISWR	15:1 or less		BASESIZE	137" x 1.87°				
OLDR	Black		POWERRATING	100 welts				
VHIP	.070, open coil		MAX HEIGHT	14.5"				
OAX	14' RG-58/U Dual Shie	đ						
ASE SIZE	1,37" x 1,87"							



SuperFlex glass mount gain antenna

Retail pack, SuperFlex glass mount gain antenna with connector

Outside base & enc. coil whip KG glass mount antenna

MODEI	FREQUENCY	CONNECTOR	🗱 MODEI	FREQUENCY	CONNECTOR	🗱 Modei	FREQUENCY	
KG 3E 825 UD	806-896 MHz	No Conn.	KG3E875UDFME RP	806-896 MHz F	ME w/TNC,MPL	KG 3E 825 0/S	806-896 MHz	
(G 3E 825 UD FME	806-896 MHz	FME			adapt.	KG 3E 900 O/S	890-960 MHz	
(G 3E 825 UD MPL	806-896 MHz	林門	KG3E825UDMPL RP	806-896 MHz	MPL	SPECIFICATIONS		
KG 3E 825 UD TNC	806-896 MHz	TNC	KG3E825UDTNC RP	806-896 MHz	TNC	GAIN	388	
(G 3E 900 UD	890-960 MHz	No Conn.	SPECIFICATIONS			TYPE	5/8 over 1/2 wave	
KG 3E 900 UD FME	890-960 MHz	FME	GAIN	348		VSWR	15:1 or less	
KG 3E 900 UD MPL	890-960 MHz	MPL	TYPE	5/8 over 1/2 wave		COLOR	Bleck	
KG 3E 900 UD TNC	890-960 MHz	TNC	VSWR	151 or less		WHIP	.070. enc. coll	
SPECIFICATIONS			COLOR	Black		BASE SIZE	137" x 1.87"	
GAIN	3d8		¥HP	.070. enc. coil		POWERRATING	100 watts	
TYPE	5/8 over 1/2 wave		COAX	14 RG-58/U Dual Shi	eld	MAX HEIGHT	13"	
VSWR	15:1 or less		BASE SIZE	1.37* x 1.87*				
COLOR	Black		POWERRATING	100 watts				
a'hip	.070, eac. coil		MAX HEIGHT	13"				
COAX	14 RG-58/U Doal Shiel	d						
BASE SIZE	1.37" x 1.87"							
POWERRATING	100 wotts							
мау некснт	15m							



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

MODEI	FREQUENCY	CONNECTOR	MODEI	FREQUENCY	MODEI	FREQUENCY	CONNECTOR
KG SE 825 UD TNC Kg SE 900 UD Kg SE 900 UD Fme Kg SE 900 UD MPL	806-896 MHz 806-896 MHz 806-896 MHz 806-896 MHz 890-960 MHz 800-800 MHz 800-800 MHz 800-800 MHz 800 MH		KG 5E 825 O/S KG 5E 900 O/S SPECIFICATIONS GAIN TYPE VSWR COLOR WHIP BASE SIZE POWERRATING MAX HEIGHT	806-896 MHz 890-960 MHz 5dB 5/8 over 5/8 over 1/2 wave 1.5:1 or lass Black 070, twin enc. coll 1.37" × 1.87" 100 watts 1/ 3/4"	KG 825 UD 1/5 KG 825 UD 1/5 FME Specifications Coax Hase Size Powerrating	806-970 MHz 806-970 MHz 14 RG-58/0 Dool Shield 1.37* x 1.87* 100 watts	No Conn. FME



Discreet, inside glass mount dipole antenna

Retail pack, discreet inside glass mount dipole antenna with connector

Window clip open coil antenna

MODEI	FREQUENCY	CONNECTOR	S MODEI	FREQUENCY	CONNECTOR	S MODEI	FREQUENCY	CONNECTOR
KGI 825	806-896 MHz	Na Conn.	KGI 825 RP	806-896 MHz	FME CRIMP	KGK 825	806-896 MHz	FME
KGI 900	890-960 MHz	No Cona.	KGI 825 MPL RP	806-896 MHz	MPL	KGK 980	890-960 MHz	FME
SPECIFICATIONS			KGI 825 TNC RP	806-896 MHz	TNÇ	SPECIFICATIONS		
GAIN	Unity		SPECIFICATIONS			GAIN	3dB	
TYPE	1/4 wave dipole		GAIN	Unity		T¥PE	5/8 over 1/2 wove	
¥S₩R	1.5.1 or less		TYPE	1/4 wave dipole		VSWR	1.5:1 or less	
COLOR	Black		VSWR	1.5:1 or less		COLOR	Black	
COAX	14' RG-58/U Dool Shield	f	COLOR	Black		WHIP	.070, open coll	
BASE SIZE	1.37" x 1.87"		COAX	14' RG-58/U Dual Shield		COAX	8° RG-174	
POWERRATING	100 watts		BASE SIZE	1.37* x 1.87*		BASE SIZE	3.75°h x 1.75°d x 1.5"v	l
			POWERRATING	100 watts		POWERRATING	50 watts	
						MAX HEIGHT	14,5*	



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

Modei	FREQUENCY	CONNECTOR	FREQUENCY	CONNECTOR	MODEI	FREQUENCY	CONNECTOR
(GK 825 RP	806-896 MHz FME w	/TNC & MPL KGK 3E 825	806-896 MHz	FME K	GK 3E 825 RP	806-896 MHz FME v	i/TNC & MPL
		adapt. KGK 3E 825 MPL	806-896 MHz	MPL			adapt.
SPECIFICATIONS		KGK 3E 825 TNC	806-896 MHz	TNC K	GK3E825MPL RP	806-896 MHz	郴
SAIN	3dB	KGK 3E 900	890-960 MHz		GK3E825TNC RP	806-896 MHz	TNC
YPE	5/8 over 1/2 wave	SPECIFICATIONS			SPECIFICATIONS		
SWR	1.5:1 or less	GAIN	3dB	(	SAIN	3dB	
OLOR	Black	TYPE	5/8 over 1/2 wave		YPE	5/8 over 1/2 wave	
(HIP	.070, open coil	VSWR	1.5:1 or less		/SWR	1.5:1 or less	
OAX	8' RG-174	COLOR	Black		OLOR	Black	
ASESIZE	3.75°h x 1.75°d x 1.5°w	WHIP	070, enc. coil		犐毘	.070, enc. coil	
OWERRATING	50 watts	COAX	8' RG-174	(	:OAX	8' RG-174	
AX HEIGHT	14,5°	BASE SIZE	3,75°h x 1,75°d x 1.5°w		BASESIZE	3.75°h x 1.75°d x 1.5°w	
		POWERRATING	50 watts	[	OWERRATING	50 watts	
		MAX HEIGHT	13.		AAX HEIGHT	13°用	



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

Glass mount wireless repeater antenna

Retail pack, glass mount wireless repeater antenna

KGK 5E 825 806-896 MHz FME KGB 825 806-876 MHZ KGK 5E 900 890-960 MHz FME KGB 900 890-960 MHz \$PECHIKATIONS GAIN 5dB GAIN 3dB	KGB 825 RP Specifications Gain	806-8% MHz 3dB	
SPECIFICATIONS SPECIFICATIONS		¥R	
	GAIN	3//8	
CAIN 5dB CAIN 3dB			
- WKU3	type	5/8 over 1/2 wave	
TYPE 5/8 over 5/8 over 1/2 wove TYPE 5/8 over 1/2 wove	¥SWR	1.5:1 or less	
VSWR 15:1 or less VSWR 15:1 or less	COLOR	Black	
COLOR Black COLOR Black	WHIP	.070, open cail	
WHIP 070, twin enc. coil WHIP 070, open coil	COAX	Cordless	
COAX 8' RG+1/4 COAX Cordless	BASE SIZE	1.37° x 1.87°	
BASE SIZE 3.75% x 1.75% d x 1.5% BASE SIZE 1.37% x 1.87%	MAX HEIGHT	M5*	
POWERRATING 50 works MAX HEIGHT 14.5"			



Glass mount wireless repeater antenna, SuperFlex whip

Retail pack, glass mount wireless repeater antenna, SuperFlex whip

High gain glass mount wireless repeater antenna

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
KGB 3E 825	806-896 MHz	KGB 3E 825 RP	806-896 MHz	KGB 5E 825	806~896 MHz	
KGB 3E 900	890-960 MHz	SPECIFICATIONS		SPECIFICATIONS		
SPECIFICATIONS		GAIN	3dB	GAIN	5d8	
GAIN	3dB	TYPE	5/8 aver 1/2 wave	type	5/8 over 5/8 over 1/2 wave	
TYPE	5/8 over 1/2 wave	VSWR	1.5:1 or less	¥\$₩R	1.5:1 of less	
VSWR	1.52) or less	COLOR	Black	COLOR	Black	
COLOR	Black	WHIP	.070, enc. coil	WHIP	.070, twin enc. coil	
WHIP	.070, enc. coil	COAX	Cordiess	COAX	Cordless	
COAX	Cordless	BASE SIZE	1.37" x 1.87"	BASE SIZE	1.37° x 1.87*	
BASE SIZE	137° x 1.87"	MAXHEIGHT	13"	MAX HEIGHT	17 3/4"	
MAX HEIGHT	13.					



Inside dipole antenna for KG repeater antennas

Window clip wireless repeater antenna

Retail pack, window clip wireless repeater antenna

MODEI FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
KGB 825 1/S 806-970 MHz	KGBK 825	806-896 MHz	KGBK 825 RP	806-896 MHz	
SPECIFICATIONS	KGBK 900	890-960 MHz	SPECIFICATIONS		
BASE SIZE 1.37" x 1.87"	SPECIFICATIONS		GAIN	348	
	GAIN	3dB	type	5/8 over 1/2 wave	
	TYPE	5/8 over 1/2 wave	¥S\WR	1.5:1 or less	
	VSWR	1.5:1 or less	COLOR	Black	
	COLOR	Black	WHIP	.070, open coil	
	WHIP	.070, open coil	COAX	Condless	
	COAX	Cardless	BASE SIZE	3.75°h x 1.75°d x 1.5°w	
	BASE SIZE	3.75"h x 1.75°d x 1.5"w	MAX HEIGHT	14.5*	
	MAX HEIGHT	14.5"			



SuperFlex window clip wireless repeater antenna

SuperFlex window clip wireless repeater antenna

High gain, SuperFlex window clip wireless repeater antenna

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
GBK 3E 875	806-896 MHz	KGBK 3E 825 RP	806-876 MHz	KGBK 5E 825	806-896 MHz	
GBK 3E 900	890-960 MHz	SPECIFICATIONS		KGBK SE 900	890-960 MHz	
PECIFICATIONS		GAIN	<b>B</b> b6	SPECIFICATIONS		
AN	3dB	TYPE	5/8 over 1/2 wave	GAIN	5dB	
(PE	5/8 over 1/2 wave	¥SWR	1.5:1 or less	TYPE	5/8 over 5/8 over 1/2 wave	
5WR	1.5.1 or less	COLOR	Black	VSWR	1.5:1 or less	
ILOR	Black	WHIP	.070, enc. coil	COLOR	Black	
HIP	070, enc. coil	COAX	Cordless	WHP	.070, twin enc. coil	
)AX	Cordless	BASE SIZE	3.75"h x 1.75"d x 1.5"w	COAX	Cordless	
<b>ISE SIZE</b>	3.75°h x 1.75°d x 1.8°w	MAX HEIGHT	13"	BASESIZE	3.75°h x 1.75°d x 1.5°w	
AX HEIGHT	13"			MAX HEIGHT	17 3/4°	



"Q" series unity gain antenna for LM mounts







LM series open coil gain antenna for

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
Q 800	806-866 MHz	Q 800 B	806-866 MHz	LM 3 800 B	806-866 MHz	
Q 900	890-960 MHz	Q 900 B	890-960 MHz	LM 3 825 B	825-896 <b>M</b> Hz	
SPECIFICATIONS		<b>SPEOFICATIONS</b>		LM 3 900 B	890-960 MHz	
GAIN	Unity	GAIN	Unity	SPECIFICATIONS		
TYPE	1/4 wove	TYPE	1/4 wave	GAIN	3dB	
VSWR	1.5:1 or less tx	VSWR	1.5:1 or less tx	TYPE	5/8 over 1/4 wave	
COLOR	Chrome	COLOR	8lack	¥SWR	1.5.1 or less tx	
WHIP	.100, spike	WHIP	100, spike	COLOR	Black	
POWERRATING	200 watts	POWER RATING	200 wotts	WHIB	.070, open coll	
MAX HEIGHT	31/2*	MAXHEIGHT	31/2"	POWERRATING	200 watts	
				MAX HEIGHT	B	



LM enclosed coil gain antenna

High gain LM twin open coil antenna

High gain LM twin SuperFlex enc. coil antenna

MODEI	FREQUENCY	MODE	FREQUENCY	MODEI	FREQUENCY	
.M 3E 800 B	806-866 MH2	LM 57 800 B	806-866 MHz	LM 5E 800 B	806-866 MHz	
.M 3E 825 B	825-896 MHz	LM 5T 825 B	825-896 MHz	LM 5E 825 B	825-896 MHz	
M 3E 900 B	890-960 MHz	LM 5T 900 B	890-960 MHz	LAA 5E 900 B	890-960 MHz	
SPECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
5AM	39B	GAIN	5dB	GAIN	5d8	
YPE	5/8 over 1/4 wave	TYPE	5/8 over 5/8 over 1/4 wave	TYPE	5/8 over 5/8 over 1/4 wave	
SWR	1.5:1 or less tx	¥SWR	1.5:1 or less tx	¥SWR	15:1 or less tx	
OLOR	Black	COLOR	Black	COLOR	Black	
VHIP	.070, endosed coll	WHIP	.100, twin open coil	WHIP	.070, twin enc. coil	
OWERRATING	200 watts	POWERRATING	200 watts	POWERRATING	200 watts	
AAX HEIGHT	13"	MAX HEIGHT	18"	MAX HEIGHT	16 1/4"	



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

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
M 806 B	806-866 MHz	LM 800	806-866 MHz	LM 800 B	806-866 MHz	
M 825 B	825-896 MHz	LM 825	825-896 MHz	LM 825 0	825-896 MHz	
N 900 B	890-960 MHz	LM 900	890-960 MHz	LM 900 B	890-960 MHz	
PECIFICATIONS		SPECIFICATIONS		SPECIFICATIONS		
AIN	3dB	GAIN	4.5dB	GAIN	4.5dB	
YPE	5/8 over 1/4 wave	TYPE	5/8 over 1/2 wave	TYPE	5/8 over 1/2 wave	
SWR	1.5:1 or less tx	¥SWR	1.5:1 or less tx	¥SWR	1.5:1 or less tx	
OLOR	Block	COLOR	Chrome	COLOR	Chrome & black	
(HIP	.100, open coil	WHIP	.100, enc. coll	WHIP	.100, enc. coll	
OWERRATING	200 watts	POWERRATING	200 wolts	POWERRATING	200 watts	
IAX HEIGHT	13 1/2"	MAXHEIGHT	14 1/2*	MAX HEIGHT	14 1/2"	



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

MODEI	FREQUENCY	Connector 🞆 Modei	FREQUENCY	CONNECTOR	MODEI	FREQUENCY	CONNECTOR
WHU800FME	806-896 MH2	EME MIU800EM	E RP 806-896 MHz	FME	MS U 800 FME	806-896 MHz	FME
MUSCOMPL	806-896 MHz	MPL MIUBDOMP	L RP 806-896 MHz	MPL	MS U 800 MPL	806-896 MHz	MPL
AHI8OOTNC	806-896 MHz	TNC MUBBOOTN	. RP 806-896 MHz	TNC	MS U 800 TNC	806-896 MHz	TNE
SPECIFICATIONS		SPECIFICAT	HANS		MS U 900 FME	890-960 MHz	FME
5AIN	Unity	GAIN	Unity		MS U 900 MPL	890-960 MHz	郴
i ¥PE	1/4 wave	TYPE	1/4 wave		MS U 900 TNC	870-960 MHz	TNC
SWR	15:1 or less tx	¥SWR	1.5:1 or less tx		SPECIFICATIONS		
OLOR	Block	COLOR	Black		GAIN	Unity	
¥HIP	Molded	₩HIP	Melded		TYPE	1/4 wave	
DAX	10° RG-174	CDAX	10' RG-174		VSWR	1.5:1 or less tx	
ASE SIZE	13/4°	BASE SIZE	11/4°		COLOR	Black	
OWERRATING	50 watts	POWERRA	(ING 50 watts		構造	.070, spíke	
<b>VAX HEIGHT</b>	4°	MAX HEIGH	] 4"		COAX	12' RG-174	
					BASE SIZE	2*	
					POWERRATING	50 watts	
					PULL STRENGTH	18#	
					MAX HEIGHT	4"	



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

MODEI	FREQUENCY	CONNECTOR 🗱 MODEI	FREQUENCY	CONNECTOR	FREQUENCY	CONNECTOR
S U 800 FME RP	806-896 MHz FME	w/TNC & MPL MS 3 800 FME	806-896 MHz	FME MS 3 800 FME RI	* 806-896 MHz FME	.w/TNC & MPL
		adapt. MS 3 800 MPL	806-896 MHz	MPL		adapt.
PECIFICATIONS		MAS 3 800 TNC	806-896 MHz	TNC MS 3 800 MPL R	9 806-896 MHz	<b>林</b> 門.
A N	Unity	MS 3 900 FME	890-960 MHz	FME MS 3 800 TNC RE	' 806-896 MHz	TNC
YPE	1/4 wave	MS 3 900 MPL	890-960 MHz	MPL SPECIFICATIONS		
SWR	1.5:1 or less tx	MS 3 900 TNC	890-960 MHz	TNC GAIN	3 <b>6</b> 8	
DLOR	Black	SPECIFICATIONS		TYPE	5/8 over 1/2 wave	
HIP	.070, spike	GAIN	3 <b>6</b> 8	¥SW R	1.5:1 or less tx	
)AX	12' RG-174	TYPE	5/8 over 1/2 wave	COLOR	Black	
<b>ISE SIZE</b>	2"	VSWR	15:1 or less 1x	WHIP	.070, open coll	
OWERRATING	50 watts	COLOR	Black	COAX	12' RG-174	
ILL STRENGTH	18#	WHIP	.070, open coil	BASE SIZE	2"	
AX HEIGHT	4*	COAX	12' RG-174	POWERRATING	50 watts	
		BASE SIZE	<u>9"</u>	PULL STRENGTH	18#	
		POWERRATING	50 watts	MAX HEIGHT	14"	
		PULL STRENGTH	18#			
		MAXHEIGHT	14°			



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

MODEI	FREQUENCY	CONNECTOR 🎆	MODEI	FREQUENCY	CONNECTOR	📓 MODEI	FREQUENCY	CONNECTOR
NS 3E 800 FME	806-896 MHz	FME	MS 3E 800 FME RP	806-896 MHz FME (	v/TNC & MPL	MM 3 800 FME	806-896 MHz	FME
IS BE 800 MPL	806-896 MHz	MPL			adapt.	MM 3 800 MPL	806-896 MHz	MPL
S 3E 800 TNC	806-896 MHz	TNC	MS 3E 800 MPL RP	806-896 MHz	MPL	MM 3 800 TNC	806-896 MHz	TNC
IS 3E 900 FME	890-960 MHz	FME	MS 3E 800 TNC RP	806-896 MHz	TNC	MM 3 900 FME	890-960 MHz	FÆE
S 3E 900 MPL	890-960 MHz	MPL	SPECIFICATIONS			MM 3 900 MPL	890-960 MHz	MPL
IS 3E 900 TNC	890-960 MHz	TNC	GAIN	3d <b>B</b>		MM 3 900 TNC	890-960 MHz	TNC
PECIFICATIONS			TYPE	5/8 over 1/2 wave		SPECIFICATIONS		
AIN	3d8		VSWR	1.5:3 or less tx		GAIN	3d8	
YPE	5/8 over 1/2 wave		COLOR	Black		T¥PE	5/8 over 1/2 wave	
SWR	15:1 or less tx		WHIP	070, enc. coil		VSWR	1.5:1 or less tx	
OLOR	Black		COAX	12' RG-174		COLOR	Black	
HIP	.070, enc. coil		BASE SIZE	2*		WHP	.070, open coâ	
DAX	12' RG-174		POWERRATING	50 watts		COAX	12' RG-58A/U Dual Shiel	đ
ASE SIZE	2*		PULL STRENG TH	18#		BASESIZE	30	
DWERRATING	SO wetts		MAX HEIGHT	33		POWERRATING	200 watts	
ILL STRENGTH	18#					PULLSTRENGTH	\$4#	
IAX HEIGHT	3 ⁰					MAX HEIGHT	14"	



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

MODEI	FREQUENCY	CONNECTOR	MODEI	FREQUENCY	CONNECTOR	MODEI	FREQUENCY	CONNECTOR
MM 3 800 FME RP	806-896 MHz F#	E w/TNC, MPL	MM 3E 800 FME	806-896 MHz	FME	MAA 3E 800 FME RP	806-8% MHz FME	w/TNC, MPL
		adapt,	MM 3E 800 MPL	806-896 MHz	MPL			adapt.
MM 3 800 MPL RP	806-896 MHz	ÅРL	MM 3E 800 TNC	806-896 MHz	TNC	MAA 3E 800 MPL RP	806+896 MHz	郴
MM 3 800 TNC RP	806-896 MHz	TNC	MM 3E 900 FME	890-960 MHz	FME	MM 3E 800 TNC RP	806-896 MHz	TNC
SPECIFICATIONS			MM 3E 900 MPL	890-960 MHz	緗胆	SPECIFICATIONS.		
GAIN	3dB		MM 3E 900 TNC	890-960 MHz	TNC	GAIN	3 <b>6</b> 8	
TYPE	5/8 over 1/2 wave		SPECIFICATIONS			TYPĘ	5/8 over 1/2 wove	
YSWR	1.5:1 or less tx		GAIN	3dB		VSWR	1.5:1 or less tx	
COLOR	Black		TYPE	5/8 over 1/2 wave		COLOR	Black	
WHIP	.070, open coil		VSWR	15:1 or less tx		WHIP	.070, enc. coil	
COAX	12' RG-58A/U Dugi Sł	tield	COLOR	Black		COAX	12 RG-58A/U Dual Shie	łd
BASE SIZE	3r		WHIP	070, enc. coil		BASE SIZE	3°	
POWERRATING	200 watts		COAX	12° RG-58A/U Dual Shiel	d	POWERRATING	200 watts	
PULL STRENGTH	54#		BASESIZE	3"		PULL STRENGTH	<b>\$4#</b>	
MAX HEIGHT	34"		POWERRATING	200 watts		MAX HEIGHT	13.	
			PULL STRENGTH	54#				
			MAX HEIGHT	13"				



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

MODEI	FREQUENCY	CONNECTOR	🗱 MODEI	FREQUENCY	CONNECTOR	🗱 MODEI	FREQUENCY	
AM SE 800 FME	806-866 <b>M</b> Hz	FME	MM ST 800 FME	806-866 MHz	FME	NMOQ SPEC 800	806-866 MHz	
AM SE 825 FME	824-896 MHz	FME	MM 5T 825 FME	824-896 MHz	FME	NMOQ SPEC 825	825-896 MHz	
IM 5E 900 FME	890-960 MHz	FME	MM 5T 900 FME	890-960 MHz	FME	NMOQ SPEC 900	890-960 MHz	
PEGFICATIONS			SPECIFICATIONS			SPECIFICATIONS		
AIN	5dB		GAIN	5dB		GAIN	Unity	
rpe	5/8 over 5/8 over 1/4	l wave	TYPE	5/8 over 5/8 over 1	/4 wave	TYPE	1/4 waxe	
SWR	1.5:1 or less tx		¥SWR	1.5:1 of less tx		¥S₩R	1.5:1 or less	
JLOR	Black		COLOR	Black		COLOR	Grome	
HIP	.070, twin enc. coil		WHIP	.100, twin open coll		WHIP	.070, spike	
DAX	12' RG-58A/U Dudi Shi	sld	CDAX	12' RG-58A/U Dual S	hield	COAX	Order separately	
ASE SIZE	37		BASE SIZE	3"		BASESIZE	15/8"	
OWER RATING	200 wolts		POWERRATING	200 weits		POWERRATING	200 watts	
ILL STRENGTH	54#		PULL STRENGTH	54#		MAX HEIGHT	P	
AX HEIGHT	16 1/2°		MAXHEIGHT	18ª				



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

Complete unity low profile antenna kit w/cable and connector

MODEI	FREQUENCY	CONNECTOR	MODEI	FREQUENCY	MODEI	FREQUENCY	CONNECTOR
NMOOSPEC800MPL NMOOSPEC800TNC	806-866 MHz 806-866 MHz		NMOQSPEC800B NMOQSPEC825B	806-866 MHz 825-896 MHz	NMOQSPEC800BMPL NMOQSPEC800BTNC		mpl TNC
	825-896 MHz 825-896 MHz	TNC	NMOOSPEC900B Specifications	890-960 MHz	NMOOSPEC825BMPL NMOOSPEC825BTNC		AAPL TNC
NMOQSPEC900TNC	890-960 MHz 890-960 MHz		GAIN TYPE	Unity 1/4 wave	NMOQSPEC900BMPL NMOQSPEC900BTNC		林門. TNC
	Unity 1/4 wave		VSWR COLOR WHIP	1,5:1 or less Block .070, spike	SPECIFICATIONS GAIN Type	Unity 1/4 wave	
VSWR	1.5:1 or less Chrome		COAX BASE SIZE	07 d. spike Order separately 15/8*	VSWR COLOR	15:1 or less Black	
	070, spike 17 RG-58/U Dual Shield		POWER RATING Max Height	200 watts 4°	WHIP COAX	.070, spike 17' RG-58/U Dual Shiek	1
	15/8° 200 watts 4"				BASE SIZE Power Rating Max Height	1 5/8" 150 watts 4"	



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

MODEI	FREQUENCY	MODEI	FREQUENCY			
NMOQ 800 C NMOQ 900 C	806-866 MHz 890-960 MHz	NMCO 800 B NMCO 900 B	806-896 MHz 890-960 MHz	MODEI	FREQUENCY	
PEIFICATIONS		SPECIFICATIONS		NMO SPEC 800 NMO SPEC 825	806-866 MHz ogr od hul.	
GAIN	Unity	GAIN	Unity	NMO SPEC 800	825-896 MHz 890-960 MHz	
TYPE	1/4 wave	TYPE	1/4 wave	SPECIFICATIONS	018 / 00 HIN	
VSWR COLOR	1.5.1 or less Black/Chrome	VSWR COLOR	1.5:1 or less Black	GAN	3dB	
COLDA WHIP	.100. spike	WHIP	loo, spike	TYPE	5/8 over 1/4 wave	
COAX	Order separately	COAX	Order separately	¥SWR	1.5:1 or less	
BASE SIZE	15/8*	BASE SIZE	15/8"	COLOR WHIP	Chrome .070. open coil	
POWERRATING MAX HEIGHT	200 watts 4 1/2°	POWERRATING Max Height	200 watts 4 1/2°	COAX	Order separately	
MAY DENDU	4 17 2	<b>ных</b> пероп 1	4172	BASE SIZE	15/8"	
				POWERRATING Max height	200 watts 13 1/2"	



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

	MODEI	FREQUENCY	CONNECTOR	MODEI	FREQUENCY	MODEI	FREQUENCY	CONNECTOR
	NMOSPEC800MPL	806-866 MHz	MPL	NMO SPEC 800 B	806-866 MHz	NMOSPE(8008MPL		栁凡
	NMOSPEC800TNC	806-866 MHz	TNC	NATO SPEC 825 B	825-896 MHz	NMOSPEC800BTNC		TNC
	NMOSPEC825MPL	825-896 MHz	MPL	NMO SPEC 900 B	890-960 MHz	NMOSPEC825BMPL		構作
	NMOSPEC825TNC	825-896 MHz	TNC	SPECIFICATIONS		NMOSPEC825BTNC	825-896 MHz	TNC
	NMOSPEC900MPL	890-960 MHz	MPL	GAIN	3dB	NMOSPEC900MPL	890+960 MHz	林氏
	NMOSPEC900TNC	890-960 MHz	TNC	TYPE	5/8 over 1/4 wave	NAMOSPEC900BTNC	890-960 MHz	TNC
	SPECIFICATIONS			VSWR	1.5:1 or less	SPECIFICATIONS		
	GAIN	3d8		COLOR	Black	GAIN	3dR	
******	TYPE	5/8 over 1/4 wave		WHIP	.070, open coil	TYPE	5/8 over 1/4 wove	
	VSWR	1.5:1 or less		COAX	Order separately	VSWR	1.5:1 or less	
	COLOR	Black		BASE SIZE	15/8*	COLOR	Black	
	WHIP	070, open coil		POWERRATING	200 walts	構造	.070, open col	
	COAX	17' RG-58/U		MAX HEIGHT	13 1/2*	COAX	17' RG-58/U	
	BASESIZE	15/8"				BASE SIZE	15/8"	
	POWERRATING	200 watts				POWERRATING	200 watts	
	MAX HEIGHT	13 1/2"				MAX HEIGHT	131/2*	



3dB open coil antenna, standard NMO base

3dB open coil antenna, standard NMO base, heavy duty whip 3dB SuperFlex enc. coil antenna, standard NMD base

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
NMO 3 800 B	806-866 MHz	NMC3HD8008	806-866 MHz	NMO 3E 800 B	806-866 MHz	
NMO 3 825 B	825-896 MHz	NMC3HD825B	824-896 MHz	NMO 3E 825 8	825-8% MHz	
NMO 3 900 B	890-960 MHz	NMC3HD900B	890-960 MHz	NMO 3E 900 B	890-960 MHz	
SPECIFICATIONS		SPECIPICATIONS		SPECIFICATIONS		
GAN	3d <b>8</b>	GAIN	348	GAIN	348	
турғ	5/8 over 1/4 wave	TÅber	5/8 over 1/4 wove	TYPE	5/8 over 1/4 wave	
VSWR	15:1 or less	VSWR	1.5:1 or less	¥SWR	L5.1 or less	
COLOR	Block	COLOR	Black	COLOR	Riack	
WHIP	.070, open coll	WHIP WHIP	.100, open coll	WHIP	.070. enc. cail	
COAX	Order separately	COAX	Order separately	CDAX	Order separately	
BASE SIZE	15/8 ⁴	BASE SIZE	15/8"	BASE SIZE	15/8"	
POWERRATING	200 watts	POWERRATING	200 watts	POWERRATING	200 watts	
MAX HEIGHT	200 wans 13.3/4"		200 worrs 13 3/4°	MAX HEIGHT		
маа псіфпі	13 3/4	MAX HEIGHT	13 3/4	мах пенеп н	13 1/2"	



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

MODEI	FREQUENCY	CONNECTOR	MODEI	FREQUENCY	MODEI	FREQUENCY	
NMO3EBOOBMPL NMO3EBOOBTNC	806-866 MHz 806-866 MHz		NMO 800 NMO 825	806-866 MHz 825-896 MHz	NMO 800 B NMO 825 B	806-866 MHz 825-896 MHz	
NMO3E825BMPL	825-896 MHz	MPL	VMO 900	890-960 MHz	NMO 900 B	890-960 MHz	
NMO3E825BTNC NMO3E900BMPL	825-896 MHz 890-960 MHz	1164	SPECIFICATIONS Gain	45 <b>6</b> 8	SPECIFICATIONS GAIN	4508	
NMO3E900BTNC Specifications	890-960 MHz		TYPE VSWR	5/8 over 1/2 wave 15:1 or less	TYPE VSWR	5/8 over 1/2 wave 15:1 or less	
GAIN	3dB		COLOR	Black/Chrome	COLOR	Black/Chrome	
TYPE VSWR	5/8 over 1/4 wave 1.5:1 or less		WHIP COAX	.100, enc. coll Order separately	WHIP COAX	.100, enc. coll Order separately	
COLDR WHIP	Black .070. enc. coil		BASE SIZE Power Rating	1.578" 200 watts	BASE SIZE POWERRATING	15/8" 200 watts	
COAX	17° RG-58/U		MAXHEIGHT	12 3/4° H	MAX HEIGHT	12 3/4° H	
BASE SIZE Powerrating	15/8° 200 watts						
MAX HEIGHT	13 1/2"						



NMO 5dB twin open coil antenna

NMO 5dB twin SuperFlex enclosed coil antenna

Heavy duty cone base open coil gain antenna for NMO mounts

MODEI	FREQUENCY	MODEI	FREQUENCY	MODEI	FREQUENCY	
NMO 51 800 B	806-866 MHz	NMO SE 800 B	806-866 MHz	(M 800 B NMO	806-866 MHz	
NMO ST 825 B	825-896 MHz	NMO SE 825 B	825-896 MHz	CM 825 B NMO	825-896 MHz	
NMO 51 900 B	890-960 MHz	NMO 5E 900 B	890-960 MHz	CM 900 B NMO	890-960 MHz	
SPECIFICABONS		SPECIFICATIONS		SPECIFICATIONS		
GAN	5dB	GAIN	5 <b>d</b> 8	GAIN	388	
TYPE	5/8 over 5/8 over 1/4 wave	TYPE	5/8 over 5/8 over 1/4 wave	TYPE	5/8 aver 1/4 wave	
VSWR	1.5:1 or less	VSWR	15:1 or less	¥5₩R	1.5x1 or less	
COLOR	Black	COLOR	Black	COLOR	Black	
WHIP	100, twin open coil	WHIP	.070, twin enc. coil	WHIP	.100, open coll	
COAX	Order separately	(DAX	Order separately	COAX	Order separately	
BASE SIZE	15/8*	BASE SIZE	15/8"	<b>BASE SIZE</b>	15/8"	
POWERRATING	200 watts	POWER RATING	200 wolts	POWER RATING	200 watts	
MAX HEIGHT	18°	MAXHEIGHT	19°	MAX HEIGHT	14"	



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

MODEI	FREQUENCY	CONNECTOR	MODEI	FREQUENCY	CONNECTOR	MODEI	FREQUENCY	CONNECTOR
LP800NMOUD	806-896 MHz	No Conn.	LPSOONMO	806-896 MHz	No Conn.	OM 800 MPL	806-866 MHz	MPL
P900NMOUD	890-960 MHz	Na Cann.	LP900NMO	890-960 MHz	No Conn.	om 800 tnc	806-866 MHz	TNC
SPECIFICATIONS			SPECIFICATIONS			OM 825 MPL	825-896 MHz	APL
GAIN	Unity		GAIN	Unity		om 825 TNC	825-896 MHz	TNE
VSWR	1.5:1 or less		¥SWR	1.5:1 or less		om 900 Mpl	890-960 MHz	APL
COLOR	Black		COLOR	Black		OM 900 TNC	890-960 MHz	TNC
COAX	17' RG58/U		COAX	Order Separately		SPECIFICATIONS		
BASE SIZE	21/4		BASE SIZE	2.1/4"		GAIN	3dB	
POWERRATING	100 wotts		POWERRATING	100 watts		type	5/8 aver 1/2 wave	
DIAMETER	4°		DIAMETER	4"		VSWR	1.5:1 or less	
WAX HEIGHT	13/4*		MAX HEIGHT	11/4"		COLOR	Black	
						WHIP	.070, open coil	
						COAX	14' RG-58/U Dual Shield	
						BASE SIZE	21/4*	
						POWERRATING	200 watts	
						MAX HEIGHT	151/2"	

#### 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



IODEI	FREQUENCY	CONNECTOR	MODEI	FREQUENCY	CONNECTOR	FREQUENCY	CONNECTOR
i3E1850UD	1850-1990MHz	None	KG3E18500/S	1850-1990#Hz	None KG3E1850UDI/S	1850~1990MHz	Na Cannecter
i3E1850UDTNC	1850-1990MHz	TNC Connector	SPECIFICATIONS		SPECIFICATIONS		
3e1850UDMP1	1850-1990MHz	MPL Connector	GAN	3 <i>6</i> 8	coax	14' RG58/U Dual Shield	
<b>ECIFICATIONS</b>			TYPE	5/8" aver 1/2" wave	BASE SIZE	1.75° X 1.9°	
<b>IN</b>	3 dB		VSWR	1,5:1 or less	POWER RATING	7 watts	
PE	5/8" over 1/2" wave		COLOR	Black			
WR	1.5:1 or less		WHIP	Kulrod			
LOR	Block		BASE SIZE	175° X 1.9°			
tlP • 17	Kubod		POWER RATING	7 watts			
AX CE CITE	14' RG58/U Dual Shie	10	MAX HEIGHT	7"			
SE SIZE Wer Rating	1.75" X 1.9" 7 waits						
ix height	7 wuis						
N 1161900	•						

# 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

Modei	FREQUENCY	CONNECTOR	MODEI	FREQUENCY	CONNECTOR 🎇	📓 MODEI	FREQUENCY	CONNECTOR
MS3E1850TNC	1850-1990MHz	TNC Connector	NMO3E1850	1850-1990MHz	TNC Connector	NMOJE1850UDTNC	1850-1990 MHz	TNC Connector
MS3E1850MPL	1850-1990MHz	MPL Connector	SPECIFICATIONS			NMO3E1850UDMPL	1850-1990MHz	MPL Connector
SPECIFICATIONS			GAN	3 dB		SPECIFICATIONS		
GAIN	3 dB		TYPE	5/8" over 1/2" wove		GAIN	3 88	
TYPE	5/8" over 1/2" wave		VSWR	1.5:1 or less		T¥PE	5/8" over 1/2" w	ove
VSWR	1.5:1 or less		COLOR	Black		¥SWR	1.5:1 or less	
COLOR	Black		WHIP	Kuirod		COLOR	Black	
WHP	Kulrod		COAX	14' R658/U Dual Shie	d	WHIP	Kulrod	
COAX	14' RG58/U		BASE SIZE	1 5/8"		COAX	14' RG58/U Dual S	5hield
BASE SIZE	2*		POWER RATING	7 watts		BASE SIZE	1 5/8"	
POWER RATING	7 watts		MAX HEIGHT	7"		POWER RATING	7 watts	
PULL STRENGTH	18th					MAXIEGHT	$I_{0}$	
MAX HEIGHT	7*							