

# LOW BAND/MID BAND 27-136 MHz

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

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

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

At low band wavelengths, variations in vehicle size, shape and mounting location occasionally present tuning challenges since vehicles often present an inadequate ground plane. Larsen recommends appropriate test equipment be used for installation tuning of all low band antennas.

Larsen’s low / mid band lines offer these superior performance advantages:

- Handles a 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 on models with loading coils
- Tough 17-7 stainless steel whips for maximum radiation efficiency
- Available in black or stainless
- Optional shock spring internally shorted with highly flexible insulated wire to eliminate distortion
- Durable MakroBlend® shells are UV and chemical resistant

# LOW BAND/MID BAND 27-136 MHz

## MODEL FREQUENCY (MHz)

NMO27BCO 27 - 30

## SPECIFICATIONS

TYPE 1/4 wave coil  
 COIL 28 MHz  
 POWER RATING 200 Watts  
 COLOR Black  
 WHIP Order separately / W490  
 COAX Order separately / NMOK  
 MAX HEIGHT 4"

Low Band Coil for  
27 - 30 MHz



LOW BAND /  
MID BAND

## MODEL FREQUENCY (MHz)

NMO27B 27 - 30

## SPECIFICATIONS

GAIN 0 dBd / 2 dBi  
 TYPE Loaded 1/4 wave  
 VSWR (see bandwidth) 1.5:1 or less  
 BANDWIDTH @ 1.5 1.5%  
 BANDWIDTH @ 2.0 3%  
 COIL 28 MHz  
 POWER RATING 200 Watts  
 COLOR Black  
 WHIP W490B, .100 tapered  
 COAX Order separately  
 MAX HEIGHT 53"

Low band coil and field  
tunable black whip for  
27 - 30 MHz



## MODEL FREQUENCY (MHz)

NMO27C 27 - 30

## SPECIFICATIONS

GAIN 0 dBd / 2 dBi  
 TYPE Loaded 1/4 wave  
 VSWR (see bandwidth) 1.5:1 or less  
 BANDWIDTH @ 1.5 1.5%  
 BANDWIDTH @ 2.0 3%  
 COIL 28 MHz  
 POWER RATING 200 Watts  
 COLOR Black/Chrome  
 WHIP W490, .100 tapered  
 COAX Order separately  
 MAX HEIGHT 53"

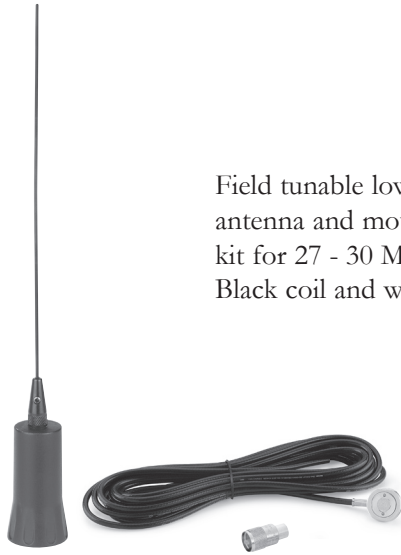
Low band coil and field  
tunable chrome 49" whip  
for 27 - 30 MHz.



NOTE: Antennas are not to scale

1 800 ANTENNA

# LOW BAND/MID BAND 27-136 MHz



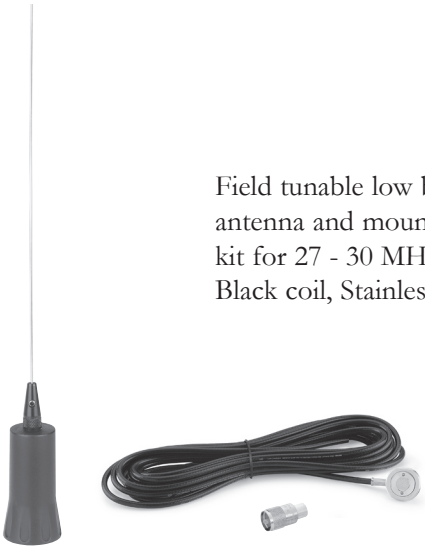
Field tunable low band antenna and mounting kit for 27 - 30 MHz. Black coil and whip.

MODEL	FREQUENCY (MHz)
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NMO27BK	27 - 30
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SPECIFICATIONS	
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GAIN	0 dBd / 2 dBi
TYPE	Loaded 1/4 wave
VSWR (see bandwidth)	1.5:1 or less
BANDWIDTH @ 1.5	1.5%
BANDWIDTH @ 2.0	3%
COIL	28 MHz
POWER RATING	200 Watts
COLOR	Black
CONNECTOR	PL259
WHIP	W490B, .100 tapered
COAX	17' RG-58A/U
MAX HEIGHT	53"



Field tunable low band antenna and mounting kit for 27 - 30 MHz. Black coil, Stainless whip.

MODEL	FREQUENCY (MHz)
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NMO27CK	27 - 30
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SPECIFICATIONS	
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GAIN	0 dBd / 2 dBi
TYPE	Loaded 1/4 wave
VSWR (see bandwidth)	1.5:1 or less
BANDWIDTH @ 1.5	1.5%
BANDWIDTH @ 2.0	3%
COIL	28 MHz
POWER RATING	200 Watts
COLOR	Black/Stainless
CONNECTOR	PL259
WHIP	W490, .100 tapered
COAX	17' RG-58A/U
MAX HEIGHT	53"



Low band coil for 30 - 34 MHz.

MODEL	FREQUENCY (MHz)
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NMO30BCO	30 - 34
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SPECIFICATIONS	
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TYPE	1/4 wave coil
COIL	32 MHz
POWER RATING	200 Watts
COLOR	Black
WHIP	Order separately/W540
COAX	Order separately/NMOK
MAX HEIGHT	4"

# LOW BAND/MID BAND 27-136 MHz

## MODEL FREQUENCY (MHz)

NMO30B 30 - 34

## SPECIFICATIONS

GAIN 0 dBd / 2 dBi  
 TYPE Loaded 1/4 wave  
 VSWR (see bandwidth) 1.5:1 or less  
 BANDWIDTH @ 1.5 1.5%  
 BANDWIDTH @ 2.0 3%  
 COIL 32 MHz  
 POWER RATING 200 Watts  
 COLOR Black  
 WHIP W540B, .100 tapered  
 COAX Order separately  
 MAX HEIGHT 58"

Low band coil and field tunable black 49" whip for 30 - 34 MHz.



LOW BAND / MID BAND

## MODEL FREQUENCY (MHz)

NMO30C 30 - 34

## SPECIFICATIONS

GAIN 0 dBd / 2 dBi  
 TYPE Loaded 1/4 wave  
 VSWR (see bandwidth) 1.5:1 or less  
 BANDWIDTH @ 1.5 1.5%  
 BANDWIDTH @ 2.0 3%  
 COIL 32 MHz  
 POWER RATING 200 Watts  
 COLOR Black/Stainless  
 WHIP W540, .100 tapered  
 COAX Order separately  
 MAX HEIGHT 58"

Low band coil and field tunable Stainless 49" whip for field tunable 30 - 34 MHz.



## MODEL FREQUENCY (MHz)

NMO30BK 30 - 34

## SPECIFICATIONS

GAIN 0 dBd / 2 dBi  
 TYPE Loaded 1/4 wave  
 VSWR (see bandwidth) 1.5:1 or less  
 BANDWIDTH @ 1.5 1.5%  
 BANDWIDTH @ 2.0 3%  
 COIL 32 MHz  
 POWER RATING 200 Watts  
 COLOR Black  
 CONNECTOR PL-259  
 WHIP W540B, .100 tapered  
 COAX 17' RG-58A/U  
 MAX HEIGHT 58"

Field tunable low band antenna and mounting kit for 30 - 34 MHz. Black coil and whip.



NOTE: Antennas are not to scale

1 800 ANTENNA

# LOW BAND/MID BAND 27-136 MHz



Field tunable low band antenna and mounting kit for 30 - 34 MHz. Black coil, Stainless whip.

MODEL	FREQUENCY (MHz)
NMO30CK	30 - 34
SPECIFICATIONS	
GAIN	0 dBd / 2 dBi
TYPE	Loaded 1/4 wave
VSWR (see bandwidth)	1.5:1 or less
BANDWIDTH @ 1.5	1.5%
BANDWIDTH @ 2.0	3%
COIL	32 MHz
POWER RATING	200 Watts
COLOR	Black/Stainless
CONNECTOR	PL-259
WHIP	W540, .100 tapered
COAX	17' RG-58A/U
MAX HEIGHT	58"



Low band coil for 34 - 40 MHz.

MODEL	FREQUENCY (MHz)
NMO34BCO	34 - 40
SPECIFICATIONS	
TYPE	Loaded 1/4 wave
COIL	37 MHz
POWER RATING	200 Watts
COLOR	Black
WHIP	Order separately / W490B
COAX	Order separately / NMOK
MAX HEIGHT	4"



Low band coil and field tunable black 49" whip for 34-40 MHz.

MODEL	FREQUENCY (MHz)
NMO34B	34 - 40
SPECIFICATIONS	
GAIN	0 dBd / 2 dBi
TYPE	Loaded 1/4 wave
VSWR (see bandwidth)	1.5:1 or less
BANDWIDTH @ 1.5	1.5%
BANDWIDTH @ 2.0	3%
COIL	37 MHz
POWER RATING	200 Watts
COLOR	Black
WHIP	W490B, .100 tapered
COAX	Order separately
MAX HEIGHT	53"

# LOW BAND/MID BAND 27-136 MHz

## MODEL FREQUENCY (MHz)

NMO34C 34 - 40

## SPECIFICATIONS

GAIN 0 dBd / 2 dBi  
 TYPE Loaded 1/4 wave  
 VSWR (see bandwidth) 1.5:1 or less  
 BANDWIDTH @ 1.5 1.5%  
 BANDWIDTH @ 2.0 3%  
 COIL 37 MHz  
 POWER RATING 200 Watts  
 COLOR Black/Stainless  
 WHIP W490, .100 tapered  
 COAX Order separately  
 MAX HEIGHT 53"

Low band coil  
 and field tunable  
 Stainless 49" whip for  
 34 - 40 MHz.



LOW BAND /  
MID BAND

## MODEL FREQUENCY (MHz)

NMO34BK 34 - 40

## SPECIFICATIONS

GAIN 0 dBd / 2 dBi  
 TYPE Loaded 1/4 wave  
 VSWR (see bandwidth) 1.5:1 or less  
 BANDWIDTH @ 1.5 1.5%  
 BANDWIDTH @ 2.0 3%  
 COIL 37 MHz  
 POWER RATING 200 Watts  
 COLOR Black  
 WHIP W490B, .100 tapered  
 COAX 17' RG-58A/U  
 MAX HEIGHT 53"

Field tunable low band  
 antenna and mounting kit  
 for 34 - 40 MHz. Black  
 coil and whip.



## MODEL FREQUENCY (MHz)

NMO34CK 34 - 40

## SPECIFICATIONS

GAIN 0 dBd / 2 dBi  
 TYPE Loaded 1/4 wave  
 VSWR (see bandwidth) 1.5:1 or less  
 BANDWIDTH @ 1.5 1.5%  
 BANDWIDTH @ 2.0 3%  
 COIL 37 MHz  
 POWER RATING 200 Watts  
 COLOR Black/Stainless  
 CONNECTOR PL-259  
 WHIP W490, .100 tapered  
 COAX 17' RG-58A/U  
 MAX HEIGHT 53"

Field tunable low band  
 antenna and mounting kit  
 for 34 - 40 MHz. Black  
 coil, Stainless whip.



# LOW BAND/MID BAND 27-136 MHz



Low band coil for 40 - 50 MHz.

MODEL	FREQUENCY (MHz)
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NMO40BCO	40 - 50
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SPECIFICATIONS	
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TYPE	1/4 wave coil
COIL	46 MHz
POWER RATING	200 Watts
COLOR	Black
WHIP	Order separately/W540
COAX	Order separately/NMOK
MAX HEIGHT	3 1/2"



Low band coil and field tunable black 49" whip for 40 - 50 MHz.

MODEL	FREQUENCY (MHz)
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NMO40B	40 - 50
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SPECIFICATIONS	
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GAIN	0 dBd / 2 dBi
TYPE	Loaded 1/4 wave
VSWR (see bandwidth)	1.5:1 or less
BANDWIDTH @ 1.5	2%
BANDWIDTH @ 2.0	4%
COIL	46 MHz
POWER RATING	200 Watts
COLOR	Black
WHIP	W540B, .100 tapered
COAX	Order separately
MAX HEIGHT	57 1/2"



Low band coil and field tunable Stainless 49" whip for 40 - 50 MHz.



MODEL	FREQUENCY (MHz)
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NMO40C	40 - 50
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SPECIFICATIONS	
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GAIN	0 dBd / 2 dBi
TYPE	Loaded 1/4 wave
VSWR (see bandwidth)	1.5:1 or less
BANDWIDTH @ 1.5	2%
BANDWIDTH @ 2.0	4%
COIL	46 MHz
POWER RATING	200 Watts
COLOR	Black/Stainless
WHIP	W540, .100 tapered
COAX	Order separately
MAX HEIGHT	57 1/2"

# LOW BAND/MID BAND 27-136 MHz

MODEL	FREQUENCY (MHz)
NMO40BK	40 - 50

## SPECIFICATIONS

GAIN	0 dBd / 2 dBi
TYPE	Loaded 1/4 wave
VSWR (see bandwidth)	1.5:1 or less
BANDWIDTH @ 1.5	2%
BANDWIDTH @ 2.0	4%
COIL	46 MHz
POWER RATING	200 Watts
COLOR	Black/Stainless
CONNECTOR	PL-259
WHIP	W540B, .100 tapered
COAX	17' RG-58A/U
MAX HEIGHT	57 1/2"

Field tunable low band antenna and mounting kit for 40 - 50 MHz. Black coil and whip.



MODEL	FREQUENCY (MHz)
NMO40CK	40 - 50

## SPECIFICATIONS

GAIN	0 dBd / 2 dBi
TYPE	Loaded 1/4 wave
VSWR (see bandwidth)	1.5:1 or less
BANDWIDTH @ 1.5	2%
BANDWIDTH @ 2.0	4%
COIL	46 MHz
POWER RATING	200 Watts
COLOR	Black/Stainless
CONNECTOR	PL-259
WHIP	W540, .100 tapered
COAX	17' RG-58A/U
MAX HEIGHT	57 1/2"

Field tunable low band antenna and mounting kit for 40 - 50 MHz. Black coil, Stainless whip.



MODEL	FREQUENCY (MHz)
NMO50BCO	47 - 54

## SPECIFICATIONS

TYPE	1/4 wave coil
COIL	50 MHz
POWER RATING	200 Watts
COLOR	Black
WHIP	Order separately/W490
COAX	Order separately/NMOK
MAX HEIGHT	3 1/2"

Low band coil for 47 - 54 MHz.



LOW BAND /  
MID BAND



# LOW BAND/MID BAND 27-136 MHz



Low band coil and field tunable black 49" whip for 47 - 54 MHz.

MODEL	FREQUENCY (MHz)
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NMO50B	47 - 54
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SPECIFICATIONS	
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GAIN	0 dBd / 2 dBi
TYPE	Loaded 1/4 wave
VSWR (see bandwidth)	1.5:1 or less
BANDWIDTH @ 1.5	5.5%
BANDWIDTH @ 2.0	10%
COIL	50 MHz
POWER RATING	200 Watts
COLOR	Black
WHIP	W490B, .100 tapered
COAX	Order separately
MAX HEIGHT	52 1/2"



Low band coil and field tunable Stainless 49" whip for 47 - 54 MHz.

MODEL	FREQUENCY (MHz)
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NMO50C	47 - 54
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SPECIFICATIONS	
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GAIN	0 dBd / 2 dBi
TYPE	Loaded 1/4 wave
VSWR (see bandwidth)	1.5:1 or less
BANDWIDTH @ 1.5	5.5%
BANDWIDTH @ 2.0	10%
COIL	50 MHz
POWER RATING	200 Watts
COLOR	Black/Stainless
WHIP	W490, .100 tapered
COAX	Order separately
MAX HEIGHT	52 1/2"



Field tunable low band antenna and mounting kit for 47 - 54 MHz. Black coil and whip.



MODEL	FREQUENCY (MHz)
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NMO50CK	47 - 54
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SPECIFICATIONS	
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GAIN	0 dBd / 2 dBi
TYPE	Loaded 1/4 wave
VSWR (see bandwidth)	1.5:1 or less
BANDWIDTH @ 1.5	5.5%
BANDWIDTH @ 2.0	10%
COIL	50 MHz
POWER RATING	200 Watts
COLOR	Black/Stainless
CONNECTOR	PL-259
WHIP	W490, .100 tapered
COAX	17' RG-58A/U
MAX HEIGHT	52 1/2"

# LOW BAND/MID BAND 27-136 MHz

## MODEL FREQUENCY (MHz)

NMOQ52C 52 - 88

## SPECIFICATIONS

GAIN 0 dBd / 2 dBi  
 TYPE 1/4 wave  
 VSWR (see bandwidth) 1.5:1 or less  
 BANDWIDTH @ 1.5 5%  
 BANDWIDTH @ 2.0 10%  
 POWER RATING 200 Watts  
 COLOR Black/Stainless  
 WHIP W540, .100 tapered  
 COAX Order separately  
 MAX HEIGHT 55"

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



## MODEL FREQUENCY (MHz)

NMOQ88C 88 - 136

## SPECIFICATIONS

GAIN 0 dBd / 2 dBi  
 TYPE 1/4 wave  
 VSWR (see bandwidth) 1.5:1 or less  
 BANDWIDTH @ 1.5 5%  
 BANDWIDTH @ 2.0 10%  
 POWER RATING 200 Watts  
 COLOR Black/Stainless  
 WHIP W400, .100  
 COAX Order separately  
 MAX HEIGHT 35"

Field tunable NMO  
 1/4 wave antenna for  
 88 - 136 MHz. Black  
 base, Stainless whip.



## MODEL FREQUENCY (MHz)

NMOWB40C 40 - 50

## SPECIFICATIONS

GAIN Unity / 2.14 dBi  
 TYPE Loaded 1/4 wave  
 VSWR 2:1  
 BANDWIDTH @ 2.0 12%  
 POWER RATING 200 Watts  
 COLOR Black/Stainless  
 WHIP W540.100  
 COAX Order Separately  
 MAX HEIGHT 55"

Wideband lowband  
 coil and factory tuned  
 whip provides tuned  
 bandwidth.



LOW BAND /  
 MID BAND



# LOW BAND/MID BAND 27-136 MHz



“Q” field tunable 1/4 wave antenna, 52 - 88 MHz, for LA or LM mounts.

MODEL	FREQUENCY (MHz)
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Q52	52 - 88
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SPECIFICATIONS	
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GAIN	0 dBd / 2 dBi
TYPE	1/4 wave
VSWR (see bandwidth)	1.5:1 or less
BANDWIDTH @ 1.5	5%
BANDWIDTH @ 2.0	10%
POWER RATING	200 Watts
COLOR	Chrome
WHIP	W540, .100 tapered
COAX	Order separately
MAX HEIGHT	55"



“Q” field tunable 1/4 wave antenna, 88 - 136 MHz, for LA or LM mounts.

MODEL	FREQUENCY (MHz)
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Q88	88 - 136
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SPECIFICATIONS	
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GAIN	0 dBd / 2 dBi
TYPE	1/4 wave
VSWR (see bandwidth)	1.5:1 or less
BANDWIDTH @ 1.5	5%
BANDWIDTH @ 2.0	10%
POWER RATING	200 Watts
COLOR	Chrome
WHIP	W400, .100
COAX	Order separately
MAX HEIGHT	35"