

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 150 Watts of power
- VSWR at 2:1 or less
- Heavy-duty base coils are air wound for lowest RF loss
- 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 150 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 2.14 dBi
 TYPE Base loaded 1/4 wave
 VSWR (see bandwidth) 2:1
 BANDWIDTH @ 1.5 1.5%
 BANDWIDTH @ 2.0 3%
 COIL 28 MHz
 POWER RATING 150 Watts
 COLOR Black
 WHIP W490B, .100 tapered
 COAX Order separately
 MAX HEIGHT 52.5"

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



MODEL FREQUENCY (MHz)

NMO27C 27 - 30

SPECIFICATIONS

GAIN 2.14 dBi
 TYPE Base loaded 1/4 wave
 VSWR (see bandwidth) 2:1
 BANDWIDTH @ 1.5 1.5%
 BANDWIDTH @ 2.0 3%
 COIL 28 MHz
 POWER RATING 150 Watts
 COLOR Black/Stainless
 WHIP W490, .100 tapered
 COAX Order separately
 MAX HEIGHT 52.5"

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

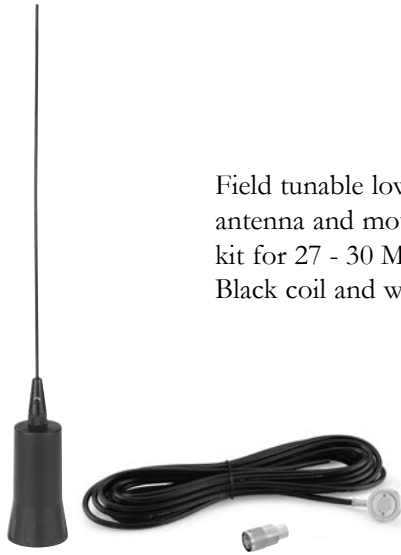


NOTE: Antennas are not to scale

1 800 ANTENNA

To convert to Gain (dBd):
Gain (dBi) - 2.14

LOW BAND/MID BAND 27-136 MHz



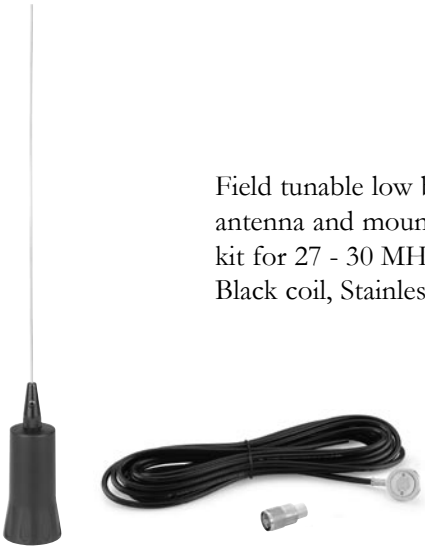
Field tunable low band antenna and mounting kit for 27 - 30 MHz. Black coil and whip.

MODEL	FREQUENCY (MHz)
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NMO27BK	27 - 30
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SPECIFICATIONS	
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GAIN	2.14 dBi
TYPE	Base loaded 1/4 wave
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	1.5%
BANDWIDTH @ 2.0	3%
COIL	28 MHz
POWER RATING	150 Watts
COLOR	Black
CONNECTOR	PL259
WHIP	W490B, .100 tapered
COAX	17' RG-58A/U
MAX HEIGHT	52.5"



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	2.14 dBi
TYPE	Base loaded 1/4 wave
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	1.5%
BANDWIDTH @ 2.0	3%
COIL	28 MHz
POWER RATING	150 Watts
COLOR	Black/Stainless
CONNECTOR	PL259
WHIP	W490, .100 tapered
COAX	17' RG-58A/U
MAX HEIGHT	52.5"



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	150 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 2.14 dBi
 TYPE Base loaded 1/4 wave
 VSWR (see bandwidth) 2:1
 BANDWIDTH @ 1.5 1.5%
 BANDWIDTH @ 2.0 3%
 COIL 32 MHz
 POWER RATING 150 Watts
 COLOR Black
 WHIP W540B, .100 tapered
 COAX Order separately
 MAX HEIGHT 57.5"

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 2.14 dBi
 TYPE Base loaded 1/4 wave
 VSWR (see bandwidth) 2:1
 BANDWIDTH @ 1.5 1.5%
 BANDWIDTH @ 2.0 3%
 COIL 32 MHz
 POWER RATING 150 Watts
 COLOR Black/Stainless
 WHIP W540, .100 tapered
 COAX Order separately
 MAX HEIGHT 57.5"

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



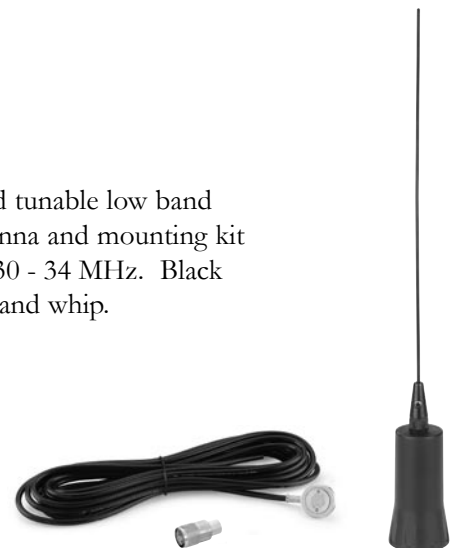
MODEL FREQUENCY (MHz)

NMO30BK 30 - 34

SPECIFICATIONS

GAIN 2.14 dBi
 TYPE Base loaded 1/4 wave
 VSWR (see bandwidth) 2:1
 BANDWIDTH @ 1.5 1.5%
 BANDWIDTH @ 2.0 3%
 COIL 32 MHz
 POWER RATING 150 Watts
 COLOR Black
 CONNECTOR PL-259
 WHIP W540B, .100 tapered
 COAX 17' RG-58A/U
 MAX HEIGHT 57.5"

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

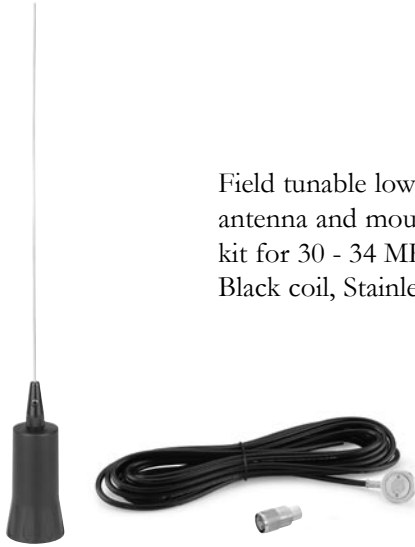


NOTE: Antennas are not to scale

1 800 ANTENNA

To convert to Gain (dBd):
 Gain (dBi) - 2.14

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)
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NMO30CK	30 - 34
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SPECIFICATIONS	
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GAIN	2.14 dBi
TYPE	Base loaded 1/4 wave
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	1.5%
BANDWIDTH @ 2.0	3%
COIL	32 MHz
POWER RATING	150 Watts
COLOR	Black/Stainless
CONNECTOR	PL-259
WHIP	W540, .100 tapered
COAX	17' RG-58A/U
MAX HEIGHT	57.5"



Low band coil for 34 - 40 MHz.

MODEL	FREQUENCY (MHz)
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NMO34BCO	34 - 40
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SPECIFICATIONS	
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TYPE	1/4 wave coil
COIL	37 MHz
POWER RATING	150 Watts
COLOR	Black
WHIP	Order separately / W540B
COAX	Order separately / NMOK
MAX HEIGHT	4"



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

MODEL	FREQUENCY (MHz)
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NMO34B	34 - 40
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SPECIFICATIONS	
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GAIN	2.14 dBi
TYPE	Base loaded 1/4 wave
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	1.5%
BANDWIDTH @ 2.0	3%
COIL	37 MHz
POWER RATING	150 Watts
COLOR	Black
WHIP	W540B, .100 tapered
COAX	Order separately
MAX HEIGHT	57.5"

LOW BAND/MID BAND 27-136 MHz

MODEL FREQUENCY (MHz)

NMO34C 34 - 40

SPECIFICATIONS

GAIN 2.14 dBi
 TYPE Base loaded 1/4 wave
 VSWR (see bandwidth) 2:1
 BANDWIDTH @ 1.5 1.5%
 BANDWIDTH @ 2.0 3%
 COIL 37 MHz
 POWER RATING 150 Watts
 COLOR Black/Stainless
 WHIP W540, .100 tapered
 COAX Order separately
 MAX HEIGHT 57.5"

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 2.14 dBi
 TYPE Base loaded 1/4 wave
 VSWR (see bandwidth) 2:1
 BANDWIDTH @ 1.5 1.5%
 BANDWIDTH @ 2.0 3%
 COIL 37 MHz
 POWER RATING 150 Watts
 COLOR Black
 WHIP W540B, .100 tapered
 COAX 17' RG-58A/U
 MAX HEIGHT 57.5"

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



MODEL FREQUENCY (MHz)

NMO34CK 34 - 40

SPECIFICATIONS

GAIN 2.14 dBi
 TYPE Base loaded 1/4 wave
 VSWR (see bandwidth) 2:1
 BANDWIDTH @ 1.5 1.5%
 BANDWIDTH @ 2.0 3%
 COIL 37 MHz
 POWER RATING 150 Watts
 COLOR Black/Stainless
 CONNECTOR PL-259
 WHIP W540, .100 tapered
 COAX 17' RG-58A/U
 MAX HEIGHT 57.5"

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



NOTE: Antennas are not to scale

1 800 ANTENNA

To convert to Gain (dBd):
 Gain (dBi) - 2.14

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	150 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	2.14 dBi
TYPE	Base loaded 1/4 wave
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	2%
BANDWIDTH @ 2.0	4%
COIL	46 MHz
POWER RATING	150 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	2.14 dBi
TYPE	Base loaded 1/4 wave
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	2%
BANDWIDTH @ 2.0	4%
COIL	46 MHz
POWER RATING	150 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	2.14 dBi
TYPE	Base loaded 1/4 wave
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	2%
BANDWIDTH @ 2.0	4%
COIL	46 MHz
POWER RATING	150 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.



LOW BAND / MID BAND

MODEL	FREQUENCY (MHz)
NMO40CK	40 - 50

SPECIFICATIONS

GAIN	2.14 dBi
TYPE	Base loaded 1/4 wave
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	2%
BANDWIDTH @ 2.0	4%
COIL	46 MHz
POWER RATING	150 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	150 Watts
COLOR	Black
WHIP	Order separately/W490
COAX	Order separately/NMOK
MAX HEIGHT	3 1/2"

Low band coil for 47 - 54 MHz.



NOTE: Antennas are not to scale

1 800 ANTENNA

To convert to Gain (dBd):
Gain (dBi) - 2.14

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	2.14 dBi
TYPE	Base loaded 1/4 wave
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	5.5%
BANDWIDTH @ 2.0	10%
COIL	50 MHz
POWER RATING	150 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	2.14 dBi
TYPE	Base loaded 1/4 wave
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	5.5%
BANDWIDTH @ 2.0	10%
COIL	50 MHz
POWER RATING	150 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	2.14 dBi
TYPE	Base loaded 1/4 wave
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	5.5%
BANDWIDTH @ 2.0	10%
COIL	50 MHz
POWER RATING	150 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	2.14 dBi
TYPE	1/4 wave
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	5%
BANDWIDTH @ 2.0	10%
POWER RATING	150 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	2.14 dBi
TYPE	1/4 wave
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	5%
BANDWIDTH @ 2.0	10%
POWER RATING	150 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	Base loaded 1/4 wave
VSWR	2:1
BANDWIDTH @ 2.0	12%
POWER RATING	150 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



NOTE: Antennas are not to scale

1 800 ANTENNA

To convert to Gain (dBd):
Gain (dBi) - 2.14

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	2.14 dBi
TYPE	1/4 wave
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	5%
BANDWIDTH @ 2.0	10%
POWER RATING	200 Watts
COLOR	Stainless
WHIP	.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	2.14 dBi
TYPE	1/4 wave
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	5%
BANDWIDTH @ 2.0	10%
POWER RATING	200 Watts
COLOR	Stainless
WHIP	.100
COAX	Order separately
MAX HEIGHT	35"