

CELLULAR, SMR, DATA 700/800/900

Larsen offers a complete line of Cellular, SMR and Data antennas from unity to 5 dB gain. Our 700/800/900MHz 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 our premium glass mount antenna to our broadest offering of mobile antenna configurations, each Larsen 700/800/900 MHz antenna is preset at the factory for ease of installation and to ensure optimal performance.

Larsen 700/800/900 MHz mobiles are available in a variety of electrical types for the following styles:

- KG: Patented low-impedance design in a glass-mount antenna
- LM: Durable 5/16-24 thread stud mount for 3/4" hole, low profile, easy to install mount
- LP: Low profile disc antenna, NMO or direct feet mount
- LPT: Transit style, radome enclosed antenna, NMO or direct feed mount
- MS: Economical, complete magnetic mount antenna, compact design
- NMO: Premium Motorola-style 3/4" hole mount
- OM: Self-mounting, no ground plane antenna
- SB: Stealth blade flexible printed-circuit antenna

Count on Larsen antennas to deliver these superior performance advantages:

- Exclusive 17-7 stainless steel whips for maximum radiation efficiency
- Available in black or stainless
- Waterproof phasing coil engineered to minimize wind drag and antenna rod distortion at high speeds
- Optional shock spring internally shorted with highly flexible insulated wire to eliminate distortion
- Durable MakroBlend® shells are UV and chemical resistant



CELLULAR, SMR, DATA 700/800/900



Complete glass mount SuperFlex™ 3 dBd gain factory tuned antenna for SMR, cellular and data applications.

MODEL	FREQUENCY (MHz)	CONN
KG3E825UD	806 - 896	No Conn
KG3E825UDFME	806 - 896	FME
KG3E825UDMPL	806 - 896	MPL
KG3E825UDTNC	806 - 896	TNC
KG3E900UD	890 - 960	No Conn
KG3E900UDFME	890 - 960	FME
KG3E900UDMPL	890 - 960	MPL
KG3E900UDTNC	890 - 960	TNC

SPECIFICATIONS

GAIN	5.14 dBi
TYPE	5/8 over 1/2 wave
VSWR (see bandwidth)	1.5:1
BANDWIDTH @ 1.5	8.5%
BANDWIDTH @ 2.0	10%
POWER RATING	60 Watts
COLOR	Black
WHIP	WKG3E825, WKG3E900, .070
COAX	14' RG-58/U Dual Shield
BASE SIZE	1.37" x 1.87"
MAX HEIGHT	13"



Outside coupler and factory tuned SuperFlex™ whip only for the KG3E825 and KG3E900.

MODEL	FREQUENCY (MHz)	REP WHIP
KG3E825O/S	806 - 896	WKG3E825
KG3E900O/S	890 - 960	WKG3E900

SPECIFICATIONS

GAIN	5.14 dBi
TYPE	5/8 over 1/2 wave
VSWR (see bandwidth)	1.5:1
BANDWIDTH @ 1.5	8.5%
BANDWIDTH @ 2.0	10%
POWER RATING	60 Watts
COLOR	Black
COAX	Order Separately / KG825UDI/S
BASE SIZE	1.37" x 1.87"
MAX HEIGHT	13"

CELLULAR, SMR, DATA 700/800/900

MODEL	FREQUENCY (MHz)	CONN
KGI825	806 - 896	NoConn

SPECIFICATIONS

GAIN	2.14 dBi
TYPE	1/4 wave dipole
VSWR (see bandwidth)	1.5:1
BANDWIDTH @ 1.5	8.5%
BANDWIDTH @ 2.0	10%
POWER RATING	60 Watts
COLOR	Black
COAX	14' RG-58/U Dual Shield
BASE SIZE	1.37" x 1.87"



Factory tuned dipole glass mount antenna and coax for discreet mounting applications. Ideal for convertibles.

MODEL	FREQUENCY (MHz)
LM800	806 - 866
LM825	824 - 896
LM900	890 - 960

SPECIFICATIONS

GAIN	5.6 dBi
TYPE	5/8 over 1/2 wave
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	8.5%
BANDWIDTH @ 2.0	10%
POWER RATING	200 Watts
COLOR	Stainless
WHIP	.100, enclosed coil
MAX HEIGHT	14 1/2"



Factory tuned spring base enclosed coil gain antenna for LM mounts.

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NOTE: Antennas are not to scale

1 800 ANTENNA

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

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MODEL	FREQUENCY (MHz)	CONN	COLOR
LP800	806 - 960	No Conn	Black

SPECIFICATIONS

GAIN	2.14 dBi
TYPE	Low profile
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	90 MHz
BANDWIDTH @ 2.0	160 MHz
MAX POWER	100 Watts
COAX	17' RG-58/U Dual Shield
MOUNTING	Direct Feed 1/2" Hole
MAX HEIGHT	1 1/4"
DIAMETER	5 1/4"

Permanent mount, direct feed low profile antenna. One model covers 800 & 900 MHz bands for SMR cellular and data.

Available in white with minimum order quantities. Please contact the factory for more information.

MODEL	FREQUENCY (MHz)	COLOR
LP800NMO	806 - 960	Black
LP800NMOW	806 - 960	White

SPECIFICATIONS

GAIN	2.14 dBi
TYPE	Low profile
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	8.5%
BANDWIDTH @ 2.0	10%
POWER RATING	100 Watts
COAX	Order separately
BASE SIZE	4 1/2"
MAX HEIGHT	1 1/2"



NMO mounted low profile antenna for SMR, cellular or data applications.

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MODEL	FREQUENCY (MHz)	COLOR
LPT700/800NMO	740 - 866	Black
LPT800/900NMO	806 - 960	Black

SPECIFICATIONS

GAIN	2.14 dBi
TYPE	Low profile transit
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	8.5%
BANDWIDTH @ 2.0	10%
POWER RATING	100 Watts
COAX	Order separately
BASE SIZE	1.5"
MAX HEIGHT	3 1/2"



Available in white with minimum order quantities. Please contact the factory for more information.

NMO transit style antenna for SMR, cellular or data applications. 12" diameter ground plane recommended. Also available in white (minimum order quantities apply).



CELLULAR, SMR, DATA 700/800/900



Mini mag gain antenna with factory tuned SuperFlex™ enclosed coil whip, cable and connector.

MODEL	FREQUENCY (MHz)	CONN
MS3E800FME	806 - 896	FME
MS3E800MPL	806 - 896	MPL
MS3E800SMA	806 - 896	SMA
MS3E900FME	806 - 960	FME
MS3E800TNC	806 - 896	TNC
MS3E900MPL	890 - 960	MPL
MS3E900SMA	890 - 960	SMA
MS3E900TNC	890 - 960	TNC

SPECIFICATIONS	
GAIN	5.6 dBi
TYPE	5/8 over 1/2 wave
VSWR (see bandwidth)	1.5:1
BANDWIDTH @ 1.5	8.5%
BANDWIDTH @ 2.0	10%
POWER RATING	40 Watts
COLOR	Black
PULL STRENGTH	18 lbs
WHIP	.070
COAX	12' RG-174
BASE SIZE	2"
MAX HEIGHT	13"



Complete unity mini mag mount factory tuned antenna with cable and connector.

MODEL	FREQUENCY (MHz)	CONN
MSU800FME	806 - 896	FME
MSU800MPL	806 - 896	MPL
MSU800TNC	806 - 896	TNC
MSU900FME	890 - 960	FME
MSU900SMA	890 - 960	SMA

SPECIFICATIONS	
GAIN	2.14 dBi
TYPE	1/4 wave
VSWR (see bandwidth)	1.5:1
BANDWIDTH @ 1.5	8.5%
BANDWIDTH @ 2.0	10%
POWER RATING	40 Watts
COLOR	Black
SIDE PULL STRENGTH	18 lbs
WHIP	.070
COAX	12' RG-58A/U
BASE SIZE	2"
MAX HEIGHT	4"

CELLULAR, SMR, DATA 700/800/900

MODEL	FREQUENCY (MHz)
NMOQW700	740 - 806
NMOQW800	806 - 896
NMOQW900	890 - 970

SPECIFICATIONS	
GAIN	2.14 dBi
TYPE	1/4 wave
VSWR (see bandwidth)	1.5:1
BANDWIDTH @ 1.5	8.5%
BANDWIDTH @ 2.0	10%
POWER RATING	200 Watts
COLOR	Stainless
WHIP	.070
COAX	Order separately
MAX HEIGHT	3"



Economy factory tuned NMO nut 1/4 wave antenna.

MODEL	FREQUENCY (MHz)
NMOQSPEC800B	806 - 896
NMOQSPEC900B	890 - 970

SPECIFICATIONS	
GAIN	2.14 dBi
TYPE	1/4 wave
VSWR (see bandwidth)	1.5:1
BANDWIDTH @ 1.5	8.5%
BANDWIDTH @ 2.0	10%
POWER RATING	200 Watts
COLOR	Black
WHIP	.070, spike
COAX	Order separately
MAX HEIGHT	4"



Black factory tuned 1/4 wave antenna.

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CELLULAR, SMR, DATA 700/800/900



MODEL	FREQUENCY (MHz)	REP. WHIP
NMOQ700B	740 - 806	Contact factory
NMOQ800B	806 - 896	W030B
NMOQ900B	890 - 960	W035B

SPECIFICATIONS

GAIN	2.14 dBi
TYPE	1/4 wave
VSWR (see bandwidth)	1.5:1
BANDWIDTH @ 1.5	8.5%
BANDWIDTH @ 2.0	10%
POWER RATING	200 Watts
COLOR	Black
WHIP	.100, spike
COAX	Order separately
MAX HEIGHT	4 1/2"

NMO 1/4 wave antenna with MakroBlend® base and factory tuned black whip.



MODEL	FREQUENCY (MHz)
NMOSPEC800	806 - 866
NMOSPEC825	824 - 896
NMOSPEC900	890 - 960

SPECIFICATIONS

GAIN	5.4 dBi
TYPE	5/8 over 1/4 wave
VSWR (see bandwidth)	1.5:1
BANDWIDTH @ 1.5	8.5%
BANDWIDTH @ 2.0	10%
POWER RATING	200 Watts
COLOR	Stainless
WHIP	.070, open coil
COAX	Order separately
MAX HEIGHT	13 1/2"

Factory tuned NMO 3 dBd nut antenna.

CELLULAR, SMR, DATA 700/800/900

MODEL	FREQUENCY (MHz)	REP. WHIP
NMO3HD800B	806 - 866	WNMO3HD800C
NMO3HD825B	824 - 896	WNMO3HD825B
NMO3HD900B	890 - 960	WNMO3HD900B

SPECIFICATIONS

GAIN	5.4 dBi
TYPE	5/8 over 1/4 wave
VSWR (see bandwidth)	1.5:1
BANDWIDTH @ 1.5	8.5%
BANDWIDTH @ 2.0	10%
POWER RATING	200 Watts
COLOR	Black
WHIP	.100, open coil
COAX	Order separately
MAX HEIGHT	13 3/4"



Heavy duty NMO gain antenna with MakroBlend® base and factory tuned black whip.

MODEL	FREQUENCY (MHz)	REP. WHIP
NMO3E700B	740 - 806	WNMO3E700B
NMO3E800B	806 - 866	WNMO3E800B
NMO3E825B	824 - 896	WNMO3E825B
NMO3E900B	890 - 960	WNMO3E900B

SPECIFICATIONS

GAIN	5.4 dBi
TYPE	5/8 over 1/4 wave
VSWR (see bandwidth)	1.5:1
BANDWIDTH @ 1.5	8.5%
BANDWIDTH @ 2.0	10%
POWER RATING	200 Watts
COLOR	Black
WHIP	.070, enclosed coil
COAX	Order separately
MAX HEIGHT	13 1/2"



NMO gain antenna with factory tuned SuperFlex™ enclosed coil whip.

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NOTE: Antennas are not to scale

1 800 ANTENNA

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

CELLULAR, SMR, DATA 700/800/900



MODEL	FREQUENCY (MHz)	CONN
NMO3E800BMPL	806 - 866	MPL
NMO3E800BTNC	806 - 866	TNC
NMO3E825BMPL	824 - 896	MPL
NMO3E825BTNC	824 - 896	TNC

SPECIFICATIONS

GAIN	5.4 dBi
TYPE	5/8 over 1/4 wave
VSWR (see bandwidth)	1.5:1
BANDWIDTH @ 1.5	8.5%
BANDWIDTH @ 2.0	10%
POWER RATING	60 Watts
COLOR	Black
WHIP	.070, enclosed coil
COAX	17' RG-58/U, with dual shield
MAX HEIGHT	13 1/2"

Complete NMO gain antenna with factory tuned SuperFlex™ enclosed coil whip and mounting kit.



MODEL	FREQUENCY (MHz)	REP. WHIP
NMO700	740 - 806	W180
NMO800	806 - 866	W190
NMO825	824 - 896	W185
NMO900	890 - 960	W195

SPECIFICATIONS

GAIN	5.6 dBi
TYPE	5/8 over 1/2 wave
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	8.5%
BANDWIDTH @ 2.0	10%
POWER RATING	200 Watts
COLOR	Black/Stainless
WHIP	.100, enclosed coil
COAX	Order separately
MAX HEIGHT	12 3/4"

Factory tuned commercial spring base NMO gain antenna with MakroBlend® base.

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MODEL	FREQUENCY (MHz)	REP. WHIP
NMO800B	806 - 866	W190B
NMO825B	824 - 896	W185B
NMO900B	890 - 960	W195B

SPECIFICATIONS	
GAIN	5.6 dBi
TYPE	5/8 over 1/2 wave
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	8.5%
BANDWIDTH @ 2.0	10%
POWER RATING	200 Watts
COLOR	Black/Stainless
WHIP	.100, enclosed coil
COAX	Order separately
MAX HEIGHT	12 3/4"



Factory tuned commercial spring base NMO gain antenna with MakroBlend® base, black spring.

MODEL	FREQUENCY (MHz)	REP. WHIP
NMO5T800B	806 - 866	WNMO5T800B
NMO5T825B	824 - 896	WNMO5T825B
NMO5T900B	890 - 960	WNMO5T900B

SPECIFICATIONS	
GAIN	7.2 dBi
TYPE	5/8 over 5/8 over 1/4 wave
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	8.5%
BANDWIDTH @ 2.0	10%
POWER RATING	200 Watts
COLOR	Black
WHIP	.100, twin open coil
COAX	Order separately
MAX HEIGHT	18"



Factory tuned high gain NMO antenna with MakroBlend® base and twin open coil whip.

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CELLULAR, SMR, DATA 700/800/900



MODEL	FREQUENCY (MHz)	REP. WHIP
NMO5E825B	824 - 896	WNMO5E825B
NMO5E900B	890 - 960	WNMO5E900B

SPECIFICATIONS

GAIN	7.2 dBi
TYPE	5/8 over 5/8 over 1/4 wave
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	8.5%
BANDWIDTH @ 2.0	10%
POWER RATING	200 Watts
COLOR	Black
WHIP	.070, twin enclosed coil
COAX	Order separately
MAX HEIGHT	19"

High gain NMO antenna with MakroBlend® base and factory tuned SuperFlex™ twin enclosed coil whip.



MODEL	FREQUENCY (MHz)	CONN
OM800UD	806 - 866	NoConn
OM825UD	824 - 896	NoConn
OM800UDMPL	806 - 866	MPL
OM800UDTNC	806 - 866	TNC
OM825UDMPL	824 - 896	MPL
OM825UDTNC	824 - 896	TNC
OM900UD	890 - 960	NoConn
OM900UDMPL	890 - 960	MPL
OM900UDTNC	890 - 960	TNC

SPECIFICATIONS

GAIN	3.2 dBi (no ground plane)
TYPE	5/8 over 1/2 wave
VSWR (see bandwidth)	1.5:1
BANDWIDTH @ 1.5	8.5%
BANDWIDTH @ 2.0	10%
POWER RATING	60 Watts
COLOR	Black
WHIP	.070, open coil
COAX	14' RG-58/U, with dual shield
BASE SIZE	2.25"
MAX HEIGHT	15 1/2"

Complete self-mounting no ground plane factory tuned antenna with internally attached cable, 806 - 960 MHz. Black coil and whip.

CELLULAR, SMR, DATA 700/800/900

MODEL	FREQUENCY (MHz)
Q800	806 - 866
Q900	890 - 960

SPECIFICATIONS	
GAIN	2.14 dBi
TYPE	1/4 wave
VSWR (see bandwidth)	1.5:1
BANDWIDTH @ 1.5	8.5%
BANDWIDTH @ 2.0	10%
POWER RATING	200 Watts
COLOR	Stainless
WHIP	.100
MAX HEIGHT	3 1/2"



“Q” base factory tuned 1/4 wave antenna for LM 5/16-24 THDS mounts.

MODEL	FREQUENCY (MHZ)	CONN	COAX
SB8003	806-896	NoConn	3'
SB80012	806-896	N Conn	12'
SB800FME3	806-896	FME	3'
SB800FME12	806-896	FME	12'
SB800MPL3	806-896	MPL	3'
SB800MPL12	806-896	MPL	12'
SB800SMA3	806-896	SMA	3'
SB800SMA12	806-896	SMA	12'
SB800TNC3	806-896	TNC	3'
SB800TNC12	806-896	TNC	12'

SPECIFICATIONS	
GAIN	2.14 dBi
TYPE	Dipole
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	67%
BANDWIDTH @ 2.0	90%
POWER RATING	3 Watts
COLOR	Black
COAX	RG-174
DIMENSIONS	5.2" X .75"
POLARIZATION	Linear



Flexible blade antenna for SMR or cellular applications.

NOTE: Antenna VSWR can be affected by the mounting location.

NOTE: Antennas are not to scale

1 800 ANTENNA

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

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CELLULAR, SMR, DATA 700/800/900



Flexible blade antenna for SMR or cellular applications.

MODEL	FREQUENCY (MHz)	CONN	COAX
SB9003	890-960	NoConn	3'
SB90012	890-960	NoConn	12'
SB900SMA3	890-960	SMA	3'
SB900SMA12	890-960	SMA	12'

SPECIFICATIONS

GAIN	2.14 dBi
TYPE	Dipole
VSWR (see bandwidth)	2:1
BANDWIDTH @ 1.5	55%
BANDWIDTH @ 2.0	70%
POWER RATING	3 Watts
COLOR	Black
COAX	RG-174
DIMENSIONS	5.2" X .75"
POLARIZATION	Linear

NOTE: Antenna VSWR can be affected by the mounting location.