

LARSEN'S LOW PROFILE TRANSIT ANTENNAS

Low Profile Transit Style Antennas

Larsen offers a family of transit-style antennas for both low- and high-frequency applications. Low frequencies include 450 MHz, 700/800 MHz, and 800/900 MHz applications. High frequency models cover up to 2.5 GHz. Larsen also offers a multi-band LPT (the LPT825/19NMOHF) which is a unique design covering 800/Cellular/GSM/DCS/PCS and 2.4 GHz frequency bands all in one compact radome.

For optimal high-frequency matching, the high-frequency and multi-band antennas are designed with an industry-unique coax-type connection which plugs into the Larsen NMOHF mount in its high-frequency configuration (i.e. center pin and insulator pulled out). The LPT2400NMOHF may be used with or without a groundplane.

Radome shells are made of Makroblend™, an advanced resin polymer plastic resistant to chemical and UV deterioration which surpasses both Lexan and PVC products.

All LPT antennas are shipped with Larsen's SuperSeal gasket. With an integrated O-ring and an outer base seal, SuperSeal gaskets provide a dual seal between the vehicle and the antenna, thus reducing rust and corrosion from leaks. The base sealing surface is over ¼" wide, providing a superior seal designed to conform to vehicle surface curvatures.



Low Frequency Models (see back for details):

High Frequency Models (see back for details):



NMOHF mount
high-frequency configuration
Just pull the center pin and
insulator



NMOHF mount
low-frequency configuration

Model	Frequency (MHz)
LPT2400NMOHF	2400 - 2500
*LPT2400NMOHFW	2400 - 2500
LPT825/19NMOHF	806 -960 / 1710 - 1990 / 2400
*LPT825/19NMOHFW	806 -960 / 1710 - 1990 / 2400

Model	Frequency (MHz)
LPT450NMO	450 - 470
*LPT450NMOW	450 - 470
LPT700/800NMO	740 - 866
*LPT700/800NMOW	740 - 866
LPT800/900NMO	806 - 960
*LPT800/900NMOW	806 - 960

*** Minimum order quantities apply. Contact factory for details.**

NMO MOUNT TRANSIT STYLE UHF ANTENNA

MODEL	LPT450NMO
FREQUENCY (MHz)	450 - 470
BANDWIDTH @1.5:1	3%
BANDWIDTH @2:1	5%
GAIN	UNITY (2 dBi)
MAX POWER	100 WATTS
HEIGHT	4 1/2"
BASE DIAMETER	1 1/2"

NMO MOUNT TRANSIT STYLE HIGH FREQUENCY ANTENNA

MODEL	LPT2400NMOHF**
FREQUENCY (MHZ)	2400 - 2500
BANDWIDTH @1.5:1	N/A
BANDWIDTH @2:1	N/A
GAIN	1 dBi without ground plane
MAX POWER	10 WATTS
HEIGHT	3 1/2"
BASE DIAMETER	1 1/2"

NMO MOUNT TRANSIT STYLE MULTI BAND ANTENNAS

MODEL	LPT700/800NMO	LPT800/900NMO	LPT825/19NMOHF**
FREQUENCY (MHZ)	740-866	806-960	806-960/1710-1990/2400
BANDWIDTH @1.5:1	8.5%	8.5%	N/A
BANDWIDTH @2:1	10%	10%	N/A
GAIN	UNITY (2 dBi)	UNITY (2 dBi)	3 dBi/4 dBi / 2 dBi
MAX POWER	100 WATTS	100 WATTS	10 WATTS
MOUNTING	NMO	NMO	NMO
HEIGHT	3 1/2 "	3 1/2"	3 1/2"
BASE DIAMETER	1 1/2"	1 1/2"	1 1/2"

NOTE: LPT antennas are available in white UV and chemical resistant Makroblend. To order white add a "W" to the end of the model number. Minimum order quantities apply on LPT antennas with white radomes. Contact the factory for more information.

** This antenna requires an NMOHF-style mount.