

DUAL POLARIZED

LPC series antennas are comprised of two planar log periodic structures on a common axis. Standard **LPC** antennas are supplied with two output connectors. Switch assemblies and switch control units are available for use with **LPC** antennas to yield vertical, horizontal, right circular, or left circular polarizations. These antennas are characterized by a high front-to-back ratio, excellent SWR, and medium power gain at all frequencies in the band.

SPECIFICATIONS

IMPEDANCE: 50 OHMS, NOMINAL

F/B RATIO: 20 dB

POLARIZATION: DUAL

VSWR: 2 : 1 TYPICAL

MINIMUM ISOLATION: 20 dB

MODEL	FREQUENCY (MHz)	GAIN (dB)	POWER CW	WEIGHT (LBS/KG)	CONNECTOR	DIMENSIONS L x W x H
LPC-3100/C	30 - 1000	6.0	500 W	110 / 50	N female	210" x 200" x 200"
LPC-3540	35 - 400	5.0	10,000 W	320 / 160	82 G female	204" x 168" x 208" **
LPC-8100/C	80 - 1000	6.5	1 kW	28 / 12.6	N female	88" x 75" x 75"
LPC-2010/C	200 - 1000	6.0	1 kW	10 / 4.5	N female	50" x 30" x 30"
LPC-2020/C*	200 - 2000	6.0	200 W	14 / 6.5	N female	50" x 30" x 30"
LPC-560*	500 - 6000	6.0	40 W	3 / 2	SMA female	21" x 12" x 12"
LPC-820/C*	800 - 2000	8.0	125 W	9 / 4.0	BNC female	12" x 8" x 8"

* A Radome is available for outdoor installation.

** Height with Mast



LPC-3100



LPC-2010/C



LPC-3540/C



LPC-8100 & LPC-560

LPC-8100/C - TYPICAL E-FIELD ANTENNA FACTOR AND GAIN

FREQUENCY (MHz)	80	90	100	200	250	300	400	500	600	700	850	1000
AFE (dBm ⁻¹)	1.4	2	3.1	9.0	11.1	12.5	15.9	15.5	17.8	20.2	22.1	23.0
GAIN (dBi)	6.9	7.3	7.1	7.2	7.1	7.3	6.4	8.7	8.0	6.9	6.7	7.2