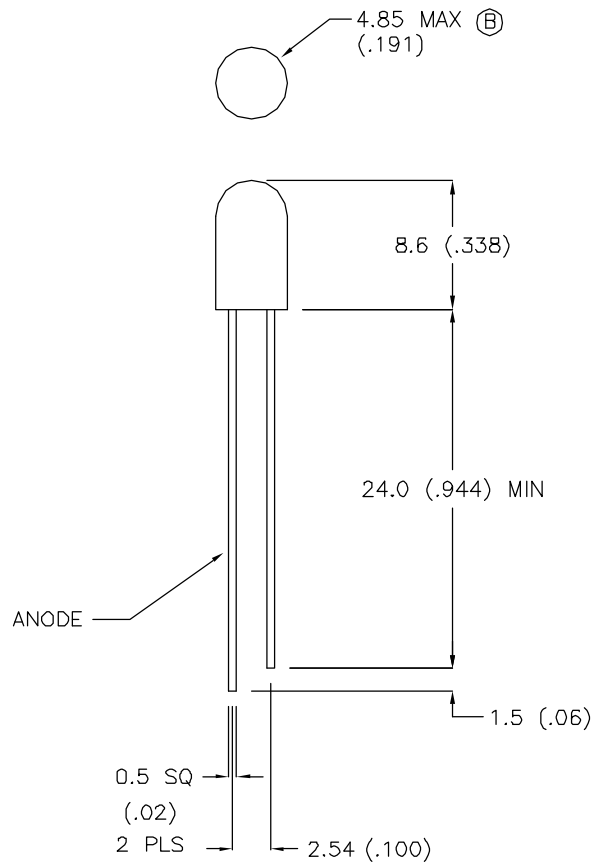
DATE	REVISIONS	REV
4–10–92	REDRAWN/ CHG'D AXIAL INTENSITY FROM "250" TO "40"	A
9–16–92	CHG'D DIA FROM "4.8 DIA" TO "4.85 MAX"/	B
6–20–95	UPDATED SAFE OP. SPECS. AND WHERE NOTED./	C

DRAWING NUMBER: SSL–LX509F3SRD — REV: C

ELECTRO–OPTICAL CHARACTERISTICS T_A=25 °C I_f=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED)		nm	
FORWARD VOLTAGE		1.7	2.2	V_f	
REVERSE VOLTAGE	4.0			V_r	I_r=100uA
AXIAL INTENSITY	(C)(A)	80		mcd	I_f=20mA
VIEWING ANGLE	(C)	60		2x theta	
EMITTED COLOR :	RED				
EPOXY LENS FINISH:	RED DIFFUSED				



UNIT: mm
TOLERANCE: ±0.2

LIMITS OF SAFE OPERATION AT 25 °C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
AVG FORWARD CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25 °C	–1.3	mW/ °C
OPERATING/STORAGE TEMP.	–40 TO +85	°C
LEAD SOLDERING TEMP. 2.0mm FROM BODY	+260	°C 3 SEC. MAX

* t<10μS

RELIABILITY NOTE:

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.

LUMEX OPTO COMPONENTS INC.
292 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
(708) 359–2790

DATE: 4–10–92	APPROVED BY:	DRAWN BY:
SCALE: N/A		

T5 (T–1 3/4) FLANGELESS LED, SUPER RED DIFFUSED

DRAWING NUMBER: SSL–LX509F3SRD — REV: C